

GENERAL STRUCTURAL NOTES

BUILDING CODE:

2012 INTERNATIONAL BUILDING CODE, (IBC) WITH APPLICABLE CITY AMENDMENTS.

GRAVITY LOADS:

ROOF: ROOF LIVE LOAD = 20 PSF (REDUCIBLE).
SLOPED ROOF DEAD LOAD = 30 PSF.
FLAT ROOF DEAD LOAD = 20 PSF.

LATERAL LOADS :

WIND: ULTIMATE DESIGN WIND SPEED = 120 MPH (3s GUST).
NOMINAL DESIGN WIND SPEED = 95 MPH (3s GUST).
RISK CATEGORY: IV
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT (ENCLOSED BUILDINGS): +0.18 / -0.18
COMPONENTS & CLADDING WIND PRESSURE:
42 PSF (LRFD) OR 25 PSF (ASD) – END ZONE
35 PSF (LRFD) OR 21 PSF (ASD) – TYPICAL
70 PSF (LRFD) OR 42 PSF (ASD) – PARAPETS
SEISMIC: RISK CATEGORY IV
SEISMIC IMPORTANCE FACTOR: I_e = 1.50
MARKED SPECTRAL RESPONSE ACCELERATION PARAMETERS: (S_s = 0.155, S₁ = 0.053)
SOIL SITE CLASS: C
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS: (S_{ms} = 0.124, S_{m1} = 0.060)
SEISMIC DESIGN CATEGORY: A (DESIGNED AS SDC B)
BASIS: SEISMIC FORCE RESISTING SYSTEM: A.2 AND A.8 ASCE 7-10 TABLE 12.2-1
SEISMIC RESPONSE COEFFICIENT, C_s = 0.055W (LRFD), 0.038W (ASD)
RESPONSE MODIFICATION FACTOR R = 3.5
ANALYSIS PROCEDURE USED: EQUIVALENT FORCE METHOD

FOUNDATIONS:

REFER TO SOILS REPORT AND DETAIL 1 FOR ADDITIONAL INFORMATION PRIOR TO COMMENCEMENT OF EARTHWORK. BEFORE ANY CONCRETE IS PLACED, EXCAVATION SHALL BE CHECKED AND APPROVED BY A QUALIFIED SOILS ENGINEER.

DESIGN IS BASED ON SOIL REPORT NO. 1900955A BY SPEEDIE AND ASSOCIATES DATED FEBRUARY 13, 2019. SPREAD FOOTINGS SHALL BEAR ON ENGINEERED FILL 2'-0" MINIMUM BELOW ADJACENT FINISHED GRADE. PAD FLOOR OR EXISTING GRADE AS STATED IN SOILS REPORT. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET OF PERIMETER FOOTINGS.

DESIGN SOIL BEARING VALUE: 2,500 PSF.

SIMPLY STRUCTURAL INC. CAN NOT BE HELD RESPONSIBLE FOR FUTURE PROBLEMS ARISING FROM UNKNOWN SOIL CONDITIONS.

STRUCTURAL CONCRETE:

ALL CAST-IN-PLACE CONCRETE CONSTRUCTION HAS BEEN DESIGNED ACCORDING TO ACI 318-14 AND SHALL CONFORM TO THE FOLLOWING:

CEMENT SHALL CONFORM TO ASTM C-150 TYPE I OR II.
MIXING SHALL CONFORM TO ASTM C-94.
AGGREGATES (NORMAL WEIGHT CONCRETE) SHALL CONFORM TO ASTM C-33.

THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (f'c) AT 28 DAYS SHALL BE:

FOUNDATIONS (DESIGN BASED ON 2,500 PSI) ----- 3,000 PSI
SLABS ON GRADE AND STEM WALLS ----- 4,000 PSI
(W/C RATIO = 0.49 MAX)
----- SEE PLAN
ICF WALLS ----- 3,000 PSI

- ALL CONCRETE SHALL BE MECHANICALLY VIBRATED AND THOROUGHLY CONSOLIDATED DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND INTO CORNERS OF THE FORMS UNLESS NOTED OTHERWISE.
- SUMP RANGES SHALL BE 4-6 INCHES PRIOR TO ADMIXTURES. ADMIXTURES MAY NOT BE USED WITHOUT THE SPECIFIC PRIOR WRITTEN APPROVAL FROM THE ARCHITECT/STRUCTURAL ENGINEER. ADMIXTURES USING ANY FORM OF CHLORIDES SHALL NOT BE USED.
- CAST CLOSURE POUR AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED.
- THE EMBEDMENT OF ANY CONDUITS, PIPES, SLEEVES, ETC. SHALL NOT BE PERMITTED WITHIN ANY CONCRETE STRUCTURAL ELEMENT (IE: COLUMNS, BEAMS, ELEVATED SLABS, ETC.) WITHOUT WRITTEN APPROVAL FROM SIMPLY STRUCTURAL INC. UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- FLY ASH – IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS, SHALL CONFORM TO "STANDARD SPECIFICATIONS FOR COAL FLY ASH AND RAW OR CALCIUM NATURAL POZZOLAN FOR USE IN CONCRETE" (ASTM C 618). FLY ASH SHALL NOT BE USED IN ARCHITECTUREALLY EXPOSED CONCRETE, ON SLABS WITH A BURNISHED OR ADO FINISH, OR WHERE IT COULD NEGATIVELY EFFECT ANY MATERIAL IN CONTACT WITH IT.
- TESTING OF CONCRETE – SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN: ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150-103 OF CONCRETE NOR LESS THAN ONCE FOR EACH 5,000-FT² OF SURFACE AREA FOR SLABS OR WALLS. SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH "STANDARD PRACTICE FOR MAKING AND DURING CONCRETE TEST SPECIMENS IN THE FIELD" (ASTM C 31); AND TESTED IN ACCORDANCE WITH "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS" (ASTM C 39).
- TEST DATA FOR CONCRETE SUBMITTALS – TEST DATA SHALL BE SUBMITTED FOR REVIEW PER ACI 318 CHAPTER 5, REFERENCE TABLE R5.3 FOR SPECIFIC REQUIREMENTS.

CONCRETE SLABS ON GRADE:

- CONCRETE SHALL BE BATCHED, MIXED, TRANSPORTED, PLACED, CONSOLIDATED AND FINISHED PER ACI 302.1R-04 FOR THE APPROPRIATE FLOOR CLASS TYPE PER TABLE 2.1. SEE TABLE 6.1 (ACI 302.1R-04) FOR RECOMMENDED STRENGTH AND MAXIMUM SLUMP AT POINT OF PLACEMENT FOR CONCRETE FLOORS. MIX DESIGN SHALL PROVIDE THE LARGEST PRACTICAL-SIZE AGGREGATE THAT DOES NOT EXCEED 3/4 OF THE MIN. CLEAR SPACING OF REINFORCING BARS OR 1/3 OF THE SLAB DEPTH.
- CONCRETE SLABS ON GRADE REQUIRE MECHANICAL VIBRATION ONLY AT TRENCHES, FLOOR DUCTS, TURNDOWS ETC.
- ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY SAW CUT CONTROL JOINTS. COLD JOINTS WITH DIAMOND PLATES PER ACI 302.1R-04 TABLE 3.2, OR KEVED JOINTS. (KEYED JOINTS ARE NOT PERMITTED IN WAREHOUSES, WHERE FORKLIFTS WILL BE USED OR WHERE STORAGE RACKING WILL BE INSTALLED). JOINTS MAY NOT BE MODIFIED UNLESS APPROVED IN WRITING BY SIMPLY STRUCTURAL INC. AND THE ARCHITECT, AND MUST BE LOCATED AS SHOWN ON THE FOUNDATION PLAN. FOR UNREINFORCED PLAIN CONCRETE SLABS, MAXIMUM SPACING BETWEEN JOINTS SHALL BE 36 TIMES THE SLAB THICKNESS OR 15'-0" ON CENTER MAX. MAXIMUM RATIO OF LONG SIDE TO SHORT SIDE SHALL BE 1 1/2 TO 1. COLD JOINTS OR KEVED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING; ALL OTHER JOINTS MAY BE SAW CUT.
- ALL JOINTS SHALL BE FILLED AND OR SEALED AS SPECIFIED BY THE ARCHITECT. AT A MINIMUM, JOINTS SUBJECTED TO VEHICLES WITH HARD WHEELS SUCH AS FORKLIFTS SHALL BE FILLED WITH A SEMIRIGID EPOXY RESIN OR POLYUREAS CONSISTING OF 100% SOLIDS THAT HAS A MINIMUM SHORE HARDNESS OF 80 WHEN MEASURED IN ACCORDANCE WITH ASTM D 2240. ACI 302.1R-04 ADVISOR TO DEFER JOINT FILING AND SEALING AS LONG AS POSSIBLE (60-90 DAYS MAX.) TO MINIMIZE THE EFFECTS OF SHRINKAGE-RELATED JOINT OPENING ON THE FILLER OR SEALANT. SEMIRIGID AND POLYUREA FILLERS SHOULD BE INSTALLED FULL-DEPTH IN SUITABLY CLEAN SAW-CUT JOINTS.
- VAPOR BARRIERS SHALL BE USED WHERE INDICATED ON FOUNDATION PLAN AND WHERE REQUIRED BY ARCHITECTURAL SPECIFICATIONS/DRAWINGS. VAPOR BARRIER MATERIAL SHALL BE IN COMPLIANCE WITH ASTM E 1745 AND THE THICKNESS SHALL BE 15 MILS OR GREATER. THE LAPS OR SEAMS SHALL BE OVERLAPPED 6" MINIMUM OR AS INSTRUCTED BY THE MANUFACTURER. JOINTS AND PENETRATIONS SHOULD BE SEALED WITH THE MANUFACTURER'S RECOMMENDED USING ADHESIVE, PRESSURE-SENSITIVE TAPE, OR BOTH. THE VAPOR BARRIER SHALL BE PLACED OVER THE A.B.C. AS SHOWN ON THE FOUNDATION PLAN. THE FOUNDATION A.B.C. FILL SHALL BE PROTECTED FROM TAKING ON ADDITIONAL WATER PRIOR TO INSTALLATION OF THE VAPOR BARRIER.
- REINFORCING SPICE LENGTHS IN CONCRETE U.N.O.
#4 ----- 29"
#5 ----- 36"
#6 ----- 43"
#7 ----- 50"
#8 ----- 57"
#9 ----- 64"
#10 ----- 71"
#11 ----- 78"
#12 ----- 85"
#13 ----- 92"
#14 ----- 99"
#15 ----- 106"
#16 ----- 113"
#17 ----- 120"
#18 ----- 127"
#19 ----- 134"
#20 ----- 141"
#21 ----- 148"
#22 ----- 155"
#23 ----- 162"
#24 ----- 169"
#25 ----- 176"
#26 ----- 183"
#27 ----- 190"
#28 ----- 197"
#29 ----- 204"
#30 ----- 211"
#31 ----- 218"
#32 ----- 225"
#33 ----- 232"
#34 ----- 239"
#35 ----- 246"
#36 ----- 253"
#37 ----- 260"
#38 ----- 267"
#39 ----- 274"
#40 ----- 281"
#41 ----- 288"
#42 ----- 295"
#43 ----- 302"
#44 ----- 309"
#45 ----- 316"
#46 ----- 323"
#47 ----- 330"
#48 ----- 337"
#49 ----- 344"
#50 ----- 351"
#51 ----- 358"
#52 ----- 365"
#53 ----- 372"
#54 ----- 379"
#55 ----- 386"
#56 ----- 393"
#57 ----- 400"
#58 ----- 407"
#59 ----- 414"
#60 ----- 421"
#61 ----- 428"
#62 ----- 435"
#63 ----- 442"
#64 ----- 449"
#65 ----- 456"
#66 ----- 463"
#67 ----- 470"
#68 ----- 477"
#69 ----- 484"
#70 ----- 491"
#71 ----- 498"
#72 ----- 505"
#73 ----- 512"
#74 ----- 519"
#75 ----- 526"
#76 ----- 533"
#77 ----- 540"
#78 ----- 547"
#79 ----- 554"
#80 ----- 561"
#81 ----- 568"
#82 ----- 575"
#83 ----- 582"
#84 ----- 589"
#85 ----- 596"
#86 ----- 603"
#87 ----- 610"
#88 ----- 617"
#89 ----- 624"
#90 ----- 631"
#91 ----- 638"
#92 ----- 645"
#93 ----- 652"
#94 ----- 659"
#95 ----- 666"
#96 ----- 673"
#97 ----- 680"
#98 ----- 687"
#99 ----- 694"
#100 ----- 701"
#101 ----- 708"
#102 ----- 715"
#103 ----- 722"
#104 ----- 729"
#105 ----- 736"
#106 ----- 743"
#107 ----- 750"
#108 ----- 757"
#109 ----- 764"
#110 ----- 771"
#111 ----- 778"
#112 ----- 785"
#113 ----- 792"
#114 ----- 799"
#115 ----- 806"
#116 ----- 813"
#117 ----- 820"
#118 ----- 827"
#119 ----- 834"
#120 ----- 841"
#121 ----- 848"
#122 ----- 855"
#123 ----- 862"
#124 ----- 869"
#125 ----- 876"
#126 ----- 883"
#127 ----- 890"
#128 ----- 897"
#129 ----- 904"
#130 ----- 911"
#131 ----- 918"
#132 ----- 925"
#133 ----- 932"
#134 ----- 939"
#135 ----- 946"
#136 ----- 953"
#137 ----- 960"
#138 ----- 967"
#139 ----- 974"
#140 ----- 981"
#141 ----- 988"
#142 ----- 995"
#143 ----- 1002"
#144 ----- 1009"
#145 ----- 1016"
#146 ----- 1023"
#147 ----- 1030"
#148 ----- 1037"
#149 ----- 1044"
#150 ----- 1051"
#151 ----- 1058"
#152 ----- 1065"
#153 ----- 1072"
#154 ----- 1079"
#155 ----- 1086"
#156 ----- 1093"
#157 ----- 1100"
#158 ----- 1107"
#159 ----- 1114"
#160 ----- 1121"
#161 ----- 1128"
#162 ----- 1135"
#163 ----- 1142"
#164 ----- 1149"
#165 ----- 1156"
#166 ----- 1163"
#167 ----- 1170"
#168 ----- 1177"
#169 ----- 1184"
#170 ----- 1191"
#171 ----- 1198"
#172 ----- 1205"
#173 ----- 1212"
#174 ----- 1219"
#175 ----- 1226"
#176 ----- 1233"
#177 ----- 1240"
#178 ----- 1247"
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#180 ----- 1261"
#181 ----- 1268"
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#183 ----- 1282"
#184 ----- 1289"
#185 ----- 1296"
#186 ----- 1303"
#187 ----- 1310"
#188 ----- 1317"
#189 ----- 1324"
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#193 ----- 1352"
#194 ----- 1359"
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#196 ----- 1373"
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#255 ----- 1786"
#256 ----- 1793"
#257 ----- 1800"
#258 ----- 1807"
#259 ----- 1814"
#260 ----- 1821"
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#262 ----- 1835"
#263 ----- 1842"
#264 ----- 1849"
#265 ----- 1856"
#266 ----- 1863"
#267 ----- 1870"
#268 ----- 1877"
#269 ----- 1884"
#270 ----- 1891"
#271 ----- 1898"
#272 ----- 1905"
#273 ----- 1912"
#274 ----- 1919"
#275 ----- 1926"
#276 ----- 1933"
#277 ----- 1940"
#278 ----- 1947"
#279 ----- 1954"
#280 ----- 1961"
#281 ----- 1968"
#282 ----- 1975"
#283 ----- 1982"
#284 ----- 1989"
#285 ----- 1996"
#286 ----- 2003"
#287 ----- 2010"
#288 ----- 2017"
#289 ----- 2024"
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#292 ----- 2045"
#293 ----- 2052"
#294 ----- 2059"
#295 ----- 2066"
#296 ----- 2073"
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#298 ----- 2087"
#299 ----- 2094"
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#552 ----- 3865"
#553 ----- 3872"
#554 ----- 3879"
#555 ----- 3886"
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#562 ----- 3935"
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#564 ----- 3949"
#565 ----- 3956"
#566 ----- 3963"
#567 ----- 3970"
#568 ----- 3977"
#569 ----- 3984"
#570 ----- 3991"
#571 ----- 3998"
#572 ----- 4005"
#573 ----- 4012"
#574 ----- 4019"
#575 ----- 4026"
#576 ----- 4033"
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#578 ----- 4047"
#579 ----- 4054"
#580 ----- 4061"
#581 ----- 4068"
#582 ----- 4075"
#583 ----- 4082"
#584 ----- 4089"
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#586 ----- 4103"
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#588 ----- 4117"
#589 ----- 4124"
#590 ----- 4131"
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#592 ----- 4145"
#593 ----- 4152"
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#595 ----- 4166"
#596 ----- 4173"
#597 ----- 4180"
#598 ----- 4187"
#599 ----- 4194"
#600 ----- 4201"
#601 ----- 4208"
#602 ----- 4215"
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#604 ----- 4229"
#605 ----- 4236"
#606 ----- 4243"
#607 ----- 4250"
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#609 ----- 4264"
#610 ----- 4271"
#611 ----- 4278"
#612 ----- 4285"
#613 ----- 4292"
#614 ----- 4299"
#615 ----- 4306"
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#617 ----- 4320"
#618 ----- 4327"
#619 ----- 4334"
#620 ----- 4341"
#621 ----- 4348"
#622 ----- 4355"
#623 ----- 4362"
#624 ----- 4369"
#625 ----- 4376"
#626 ----- 4383"
#627 ----- 4390"
#628 ----- 4397"
#629 ----- 4404"
#630 ----- 4411"
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#632 ----- 4425"
#633 ----- 4432"
#634 ----- 4439"
#635 ----- 4446"
#636 ----- 4453"
#637 ----- 4460"
#638 ----- 4467"
#639 ----- 4474"
#640 ----- 4481"
#641 ----- 4488"
#642 ----- 4495"
#643 ----- 4502"
#644 ----- 4509"
#645 ----- 4516"
#646 ----- 4523"
#647 ----- 4530"
#648 ----- 4537"
#649 ----- 4544"
#650 ----- 4551"
#651 ----- 4558"
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#653 ----- 4572"
#654 ----- 4579"
#655 ----- 4586"
#656 ----- 4593"
#657 ----- 4600"
#658 ----- 4607"
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#668 ----- 4677"
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#683 ----- 4782"
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#685 ----- 4796"
#686 ----- 4803"
#687 ----- 4810"
#688 ----- 4817"
#689 ----- 4824"
#690 ----- 4831"
#691 ----- 4838"
#692 ----- 4845"
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#695 ----- 4866"
#696 ----- 4873"
#697 ----- 4880"
#698 ----- 4887"
#699 ----- 4894"
#700 ----- 4901"
#701 ----- 4908"
#702 ----- 4915"
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#708 ----- 4957"
#709 ----- 4964"
#710 ----- 4971"
#711 ----- 4978"
#712 ----- 4985"
#713 ----- 4992"
#714 ----- 4999"
#715 ----- 5006"
#716 ----- 5013"
#717 ----- 5020"
#718 ----- 5027"
#719 ----- 5034"
#720 ----- 5041"
#721 ----- 5048"
#722 ----- 5055"
#723 ----- 5062"
#724 ----- 5069"
#725 ----- 5076"
#726 ----- 5083"
#727 ----- 5090"
#728 ----- 5097"
#729 ----- 5104"
#730 ----- 5111"
#731 ----- 5118"
#732 ----- 5125"
#733 ----- 5132"
#734 ----- 5139"
#735 ----- 5146"
#736 ----- 5153"
#737 ----- 5160"
#738 ----- 5167"
#739 ----- 5174"
#740 ----- 5181"
#741 ----- 5188"
#742 ----- 5195

IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 109 OF THE INTERNATIONAL BUILDING CODE, SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE WORK LISTED BELOW AS STATED IN SECTION 1704 AND 1705 OF THE INTERNATIONAL BUILDING CODE. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK/TESTING ASSIGNED FOR CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS.

4. THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND THE CONSTRUCTION SITE. THE CONTRACTOR SHALL IMMEDIATELY SHOW ANY VIOLATIONS IN ACCORDANCE WITH THE FEDERAL, NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. THE STRUCTURAL ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INSTALLED TO PROTECT (NOT) SUCH STANDARDIZATION VISITS TO THE SITE INCLUDE OR IMPLY INSPECTION OF THESE ITEMS).
5. WHERE REFERENCE IS MADE TO VARIOUS TEST OBSERVATIONS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA, ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.
6. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS, WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
8. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.
9. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION, LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
10. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

1. CONTACT SIMPLY STRUCTURAL INC. PRIOR TO THE START OF CONSTRUCTION FOR ADDITIONAL INFORMATION.
2. SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS AT A MINIMUM OF ONCE PER WEEK.
3. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
4. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR, AND, THEN, IF UNCORRECTED, THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS.
5. CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED VIA IN-PLACE LADDERS, SCAFFOLDING, AND/OR CONTRACTOR PROVIDED LIFTING DEVICES.
6. SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE LICENSED STRUCTURAL ENGINEER, WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SUPERVISING STRUCTURAL ENGINEER SHALL SEAL THE SPECIAL INSPECTION CERTIFICATE.
7. ONLY SIMPLY STRUCTURAL INC. FOR SPECIAL STRUCTURAL INSPECTIONS IN THE PHOENIX AREA AT (602) 443-0303 PRIOR TO STARTING CONSTRUCTION.

1. EXCAVATION, GRADING AND FILL BY SOILS ENGINEER (REFERENCE TABLE 1705.6).
SOILS ENGINEER SHALL PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING
AND FOUNDATION PHASE OF CONSTRUCTION. INSPECTION AND TESTING REPORTS SHALL BE
SUBMITTED TO THE BUILDING DEPARTMENT AND SIMPLY STRUCTURAL INC.

STANDARD ABBREVIATIONS	
A.B. -----	ANCHOR BOLT
A.B.C. -----	AGGREGATE BASE COURSE
A/C -----	AIR CONDITIONER
A.F. -----	ABSORBED FINISHED FLOOR
A.L.T. -----	ALTERNATE
APPROX. -----	APPROXIMATELY
Ø -----	AT (MEASUREMENT)
ARCH. -----	ARCHITECTURAL
B.L.D.G. -----	BUILDING
B.M. -----	BEAM
B.F.F. -----	BELOW FINISHED FLOOR
B.O.B.M. -----	BOTTOM OF BEAM
B.O.D. -----	BOTTOM OF DECK
B.O.F. -----	BOTTOM OF FOOTING
BOTT. -----	BOTTOM
B.R.G. -----	BENDING
CANT. -----	CANTILEVER
C.I.P. -----	CAST IN PLACE
C.J. -----	CONSTRUCTION JOINT
C.L. -----	CENTERLINE
C.L.R. -----	CLEAR
CMU -----	CONCRETE MASONRY UNIT
COL. -----	COLUMN
CONC. -----	CONCRETE
CONT. -----	CONTINUOUS
CONTR. -----	CONTRACTOR
CTR. -----	CENTER
CUR. -----	CURB
DIA. -----	DIAMETER
DIM. -----	DIMENSION
D.L. -----	DEAD LOAD
# OR DIA. -----	DIAMETER
DN. -----	DOWN
D/WG. -----	DRAWING
EA. -----	EACH
E.A. -----	EACH END
E.F. -----	EACH FACE
E.J. -----	EXPANSION JOINT
EL. -----	ELEVATION
EQ. -----	EQUAL
E.W. -----	EACH WAY
EXIST. -----	EXISTING
EXP. -----	EXPANSION
FIN. -----	FINISH
F.L.R. -----	FLOOR
FDN. -----	FOUNDATION
F.F. -----	FINISHED FLOOR
FT. -----	FOOT
F.T.G. -----	FOOTING
GA. -----	GAGE
GALV. -----	GALVANIZED
G.C. -----	GENERAL CONTRACTOR
G.L.B. -----	GLUED-LAMINATED BEAM
G.S.N. -----	GENERAL STRUCTURAL NOTES
H.A.S. -----	HEADED ANCHOR STUD
HC -----	HOLLOW CORE
H.G. -----	HIP GUTTER
HORIZ. -----	HORIZONTAL
H.P. -----	HIGH POINTS
I.B.C. -----	INTERNATIONAL BUILDING CODE
I.C.C. -----	INTERNATIONAL CODE COUNSEL
I.R.C. -----	INTERNATIONAL RESIDENTIAL CODE
I.J. -----	ISOLATION JOINT
INFO. -----	INFORMATION
INT. -----	INTERIOR
JT. -----	JUNT
K/(KIP) -----	1000 POUNDS
L -----	ANGLE
LBS (℔) -----	POUNDS
LG -----	LONG
L.L. -----	LIVE LOAD
LLH -----	LONG LEG HORIZONTAL
LVH -----	LONG LEG VERTICAL
LONG. -----	LONG
MFR. -----	MANUFACTURER
MAS. -----	MASONRY
MAS. C.J. -----	MASONRY CONTROL JOINT
MAT'L -----	MATERIAL
MAX. -----	MAXIMUM
MIN. -----	MINIMUM
MISC. -----	MISCELLANEOUS
N/A -----	NOT APPLICABLE
N.T.S. -----	NOT TO SCALE
O.C. -----	ON CENTER
OPNG. -----	OPENING
PREFAB -----	PREFABRICATED
PL -----	PLATE
pl -----	POUNDS PER LINEAR FOOT
psf -----	POUNDS PER SQUARE FOOT
psf -----	POUNDS PER SQUARE INCH
P.T. -----	POT TENSION OR PRESSURE TREATED
REINF. -----	REINFORCING
REQ'D. -----	REQUIRED
REV. -----	REVISION
SCHED. -----	SCHEDULE
SIM. -----	SIMILAR
S.I.P. -----	STRUCTURAL INSULATED PANEL
SLH -----	SHORT LEG HORIZONTAL
SLV -----	SHORT LEG VERTICAL
SQ. -----	SQUARE
STD. -----	STANDARD
SW -----	SHERWALL
STL -----	STEEL
STRUCT. -----	STRUCTURAL
T.C. -----	TOP CHORD
T.O.B. -----	TOP OF BEAM
T.O.P. -----	TOP OF PLATE
T.O.F. -----	TOP OF FOOTING
T.O.L. -----	TOP OF LEDGER
T.O.M. -----	TOP OF MASONRY
T.O.P. -----	TOP OF PLATE
T.O.S. -----	TOP OF STEEL
T.O.W. -----	TOP OF WALL
TRANS. -----	TRANSVERSE
TY. -----	TYPE
U.N.O. -----	UNLESS NOTED OTHERWISE
VERT. -----	VERTICAL
V.S. -----	VALLEY SET
WO. -----	WOOD
W/ -----	WITH
W/C -----	WATER/CEMENT RATIO
W/O -----	WITHOUT
W.P. -----	WORK POINT
W.W.F. -----	WELDED WIRE FABRIC

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City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396

S0.2

FOUNDATION SCHEDULES

FOOTING SCHEDULE (F_)

The diagram illustrates a footing cross-section with the following dimensions and components:

- Height:** Indicated as 1' on the left side.
- Width:** Indicated as WIDTH at the bottom.
- Reinforcing Bars:** Four bars are shown, numbered 1 through 4.
 - Bar 1: Top horizontal bar.
 - Bar 2: Bottom horizontal bar.
 - Bar 3: Top horizontal bar, slightly offset from Bar 1.
 - Bar 4: Bottom horizontal bar, slightly offset from Bar 2.
- Clearance:** A 3" CLR (clearance) is indicated on the left side, between the footing and the ground level.
- Angle:** A 2" angle is indicated at the top right corner.

NOTES:

1. CONCRETE FOOTING.
2. REINFORCING.
3. TOP REINFORCING IF SPECIFIED.
4. TRANSVERSE REINFORCING IF SPECIFIED.
5. CENTER FOOTING UNDER WALL/COLUMN U.N.O.

MARK	SIZE	THICKNESS	REINFORCING	NOTES
F1	3'-6" x 3'-6"	12"	4 #5 EACH WAY	---
F2	4'-0" x 4'-0"	12"	5 #5 EACH WAY	---

WALL FOOTING SCHEDULE (WF_)

NOTES:



1. CONCRETE FOOTING.
2. REINFORCING.
3. TOP REINFORCING IF SPECIFIED.
4. TRANSVERSE REINFORCING IF SPECIFIED.
5. CENTER FOOTING UNDER WALL U.N.O.
6. T.O.F. = 2'-0" MINIMUM.

MARK	WIDTH	THICKNESS " t_f "	REINFORCING		NOTES
			CONTINUOUS	TRANSVERSE	
WF1	1'-4"	10"	2 #5	---	---
WF2	1'-8"	10"	2 #5	---	---
WF3	2'-0"	10"	2 #5	---	---
WF4	2'-6"	10"	3 #5	---	---
WF5	3'-0"	12"	4 #5	#5 AT 16" O.C.	---
WF6	5'-0"	16"	7 #5 TOP AND BOTTOM	#5 AT 12" O.C. TOP AND BOTTOM	---

COLUMN SCHEDULE (C_)			
MARK	SIZE	BASE CONNECTION	NOTES
C1	HSS 3 1/2x 3 1/2x1/4	1/2x10x0"-10" STEEL BASE PLATE WITH (4) 3/4" DIA ANCHOR BOLTS	---
C2	HSS 3 1/2x 3 1/2x1/4	1/2x10x0"-10" STEEL BASE PLATE WITH (4) 3/4" DIA ANCHOR BOLTS	---

MASONRY COLUMN SCHEDULE (MC_)

NOTES:

1. PLAN VIEW
2. EXTEND GROUT FROM FOOTING TO TOP OF WALL.
3. SOLID GROUT ALL CELLS.
4. VERTICAL REINFORCING - TYPICAL EACH CELL.
5. WALL CONTINUES WHERE OCCURS.
6. TIES x 
7. TIES x 
8. MASONRY CONTROL JOINT.

MARK	SIZE	VERTS	TIES	NOTES
MC1	SEE PLAN	5 #6	#3 AT 8" O.C.	SEE DETAIL
MC2	SEE PLAN	9 #6	#3 AT 8" O.C.	SEE DETAIL

MASONRY LINTEL SCHEDULE (ML_)				
NOTE: 1. SEE DETAIL 26 FOR ADDITIONAL INFORMATION - TYPICAL U.N.O.				
MARK	TYPE	DEPTH/SIZE	REINFORCING/PLATE	NOTES
ML1	CMU X	H = 16"	2 #5 BOTTOM	(1)
ML2	CMU P	H = 24"	2 #5 BOTTOM	(1)
ML3	CMU Y	2 L3 1/2x 3 1/2x1/4	---	(1)
ML4	CMU Z	W 8x15	1/4x7 STEEL PLATE	(1)
ML5	CMU Z	W 16x26	1/4x7 STEEL PLATE	(1)
ML6	CMU W	H = 56"	2 #5 TOP AND BOTTOM EACH WYTHE (8 BARS TOTAL)	(1)
ML7	CMU Y	2 L6x3 1/2 x5/16	---	(1)

BUILT-UP STEEL TRUSS SCHEDULE (ST_)

NOTE:

1. CAMBER TRUSS 3/4" AT MIDSPAN.
2. ELEVATION:

3. ALL MEMBERS AND CONNECTIONS SHALL HAVE AESS FINISH.

MARK	SIZE	NOTES
A	HSS 6x6x1/4	---
B	W 24x68	---

JOIST SCHEDULE (J_)				
NOTES: 1. SIMPSON ITT JOIST HANGER.				
MARK	SIZE	TL/LL (PLF)	MAX SPACING	NOTES
J1	11 7/8" "I" JOIST	80/40	24" O.C.	(1)

HEADER SCHEDULE (H_)				
MARK	SIZE	JACK STUDS	KING STUDS	NOTES
H1	6x6	1 - 2x6	2 - 2x6	
H2	6x8	1 - 2x6	2 - 2x6	
H3	6x12	2 - 2x6	2 - 2x6	
H4	5 1/8x12 GLB	2 - 2x6	2 - 2x6	

FRAMING SCHEDULES

BEAM SCHEDULE (B_)		
MARK	SIZE	NOTES
B1	5 1/8x15 GLB (C=0")	---
B2	5 1/8x15 GLB (C=STD)	---
B3	HSS 5x3x3/8 (SSV)	---
B4	W 8x10	---
B5	C 8x13.75	---
B6	6 3/4x15 GLB (C=0")	---
B7	6 3/4x15 GLB (C=STD)	---

LEDGER SCHEDULE (L_)				
MARK	SIZE	WALL	CONNECTION	NOTES
L1	3x8	CMU	3/4" DIA ANCHOR BOLTS AT 32" O.C.	
L2	3x10	CMU	3/4" DIA ANCHOR BOLTS AT 24" O.C.	
L3	3x8	CMU	3/4" DIA ANCHOR BOLTS AT 32" O.C.	
L4	3x10	CMU	3/4" DIA ANCHOR BOLTS AT 16" O.C.	

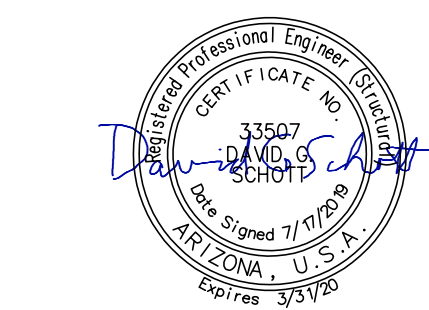
ICF WALL LINTEL SCHEDULE (IL_)				
NOTE: 1. SEE DETAIL 42 FOR ADDITIONAL INFORMATION - TYPICAL U.N.O.				
MARK	TYPE	DEPTH/SIZE	REINFORCING/PLATE	NOTES
IL1	ICF	H = 16" (MIN)	2 #4 BOTTOM	---
IL2	ICF	H = 24" (MIN)	3 #4 BOTTOM	---
IL3	ICF	H = 32" (MIN)	4 #4 BOTTOM	---

<p>PREFABRICATED WOOD TRUSS SCHEDULE (T_)</p>		
<p>1. TYPICAL SLOPED ROOF DESIGN LOAD: DEAD LOAD = 30 PSF, (20 PSF TOP CHORD, 10 PSF BOTTOM CHORD) LIVE LOAD = 20 PSF (REDUCIBLE)</p> <p>2. TYPICAL FLAT ROOF DESIGN LOAD: DEAD LOAD = 20 PSF, (10 PSF TOP CHORD, 10 PSF BOTTOM CHORD) LIVE LOAD = 20 PSF (REDUCIBLE).</p> <p>3. DESIGN TRUSSES FOR 10 PSF (ASD) NET WIND UPLIFT LOAD AT FLAT ROOFS AND 3 PSF (ASD) NET WIND UPLIFT AT SLOPED ROOFS.</p> <p>4. DESIGN ALL ROOF TRUSSES FOR 150 LB DEAD LOAD, ADD LOAD AT ANY TOP CHORD. PANEL POINT CONCURRENT WITH OTHER LOADS.</p> <p>5. PROVIDE WIDER TRUSS BAYS AS REQUIRED FOR MECHANICAL UNIT PLACEMENT IN ROOF FRAMING SYSTEM. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.</p> <p>6. TRUSS SPACING = 24" O.C. MAX. FINAL SPACING BY TRUSS MANUFACTURER.</p> <p>7. PROVIDE BRIDGING AT 12'-0" O.C. MAX AND MEMBER BRACING FOR ALL ELEMENTS 8'-0" AND LONGER.</p> <p>8. SEE ARCH'L DRAWINGS FOR ADDITIONAL TRUSS DEPTHS AND INFORMATION.</p> <p>9. TOP OF TRUSS WHERE OCCURS.</p>		
MARK	PROFILE	NOTES
WT1		---
WT2		---
WT3		---
WT4		---
WT5		---
WT6		---
WT7		---
WT8, WT8A		---
WT9		---
WT10		---
WT11		---

318009
Buckeye FS 705

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Seal



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Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date _____

07-17-19

Project Number

318009

Sheet Number
SCHEDULES

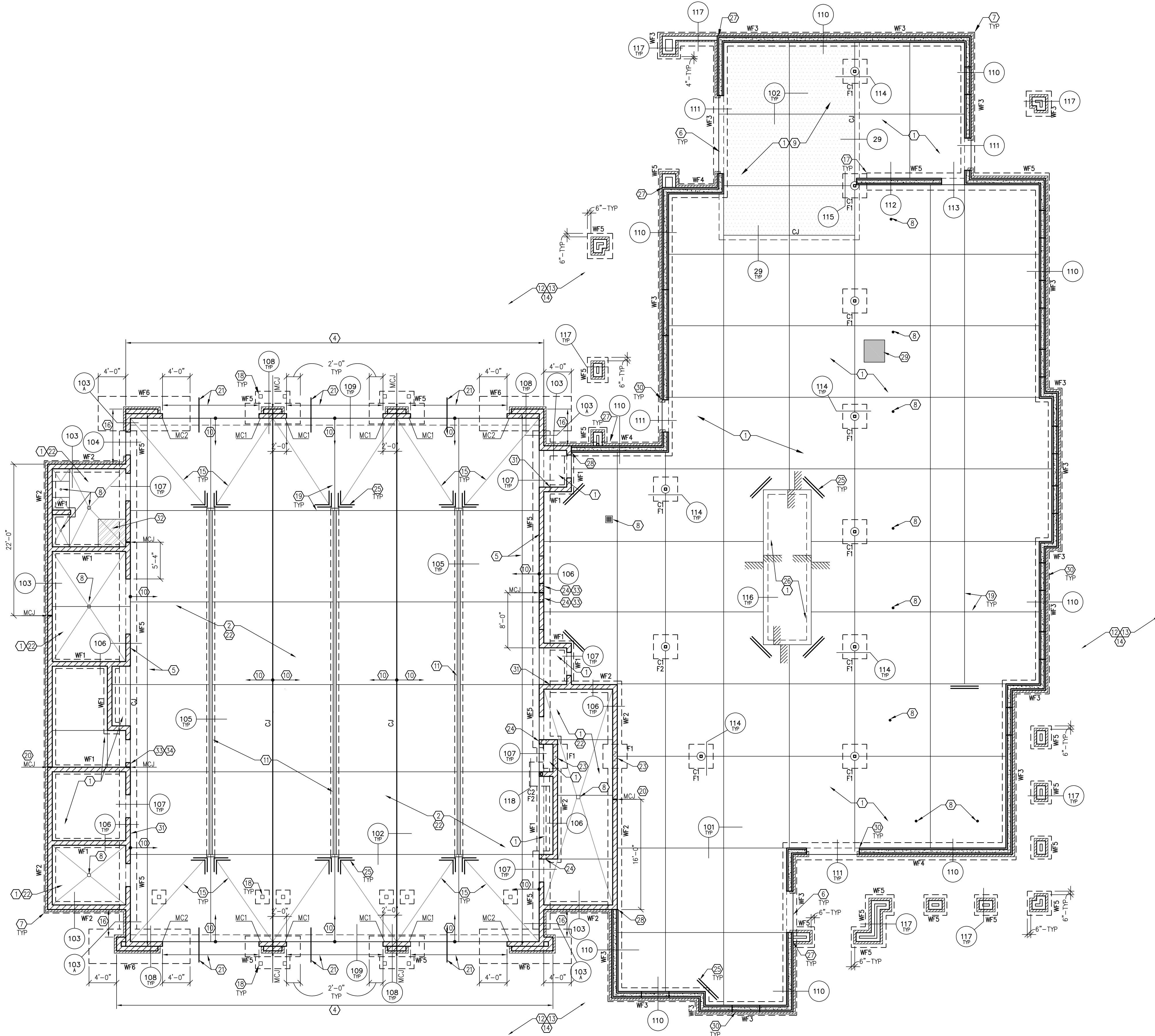
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FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



FOUNDATION PLAN NOTES

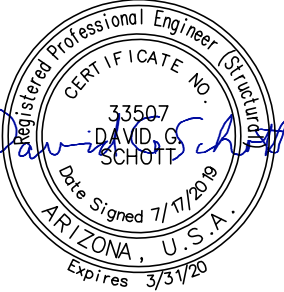
- 5" CONCRETE SLAB ($f'_c = 4,000$ PSI) OVER 4" A.B.C. - TYPICAL U.N.O.
- 7" CONCRETE SLAB ($f'_c = 4,000$ PSI) OVER 6" A.B.C. REINFORCE SLAB WITH 5 LBS/CY OF FIBER REINFORCING - TYPICAL AT APPARATUS BAYS.
- STEP FOOTINGS AS REQUIRED PER DETAIL 9 TO MAINTAIN BOTTOM/TOP OF FOOTING ELEVATION SHOWN - TYPICAL.
- 16" MASONRY WALL WITH #5 VERTICALS EACH WYTHE AT 8" O.C. - TYPICAL AT APPARATUS BAY FRONT WALLS U.N.O..
- SOLID GROUT WALL INDICATED TO LOW ROOF ELEVATION IN AREA INDICATED. PROVIDE BOND BEAM BLOCK OR FULLY MORTAR ALL HEAD JOINTS. WALL DOES NOT REQUIRE SOLID GROUTING ABOVE LOW ROOF ELEVATION.
- PROVIDE 1/2" PREFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT TO BUILDING U.N.O. ON ARCH'L DRAWINGS.
- ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS.
- FLOOR DRAIN - SEE ARCH'L AND MECH'L/PLUMBING DRAWINGS FOR EXACT LOCATION, SLOPE, ETC.
- VAPOR BARRIER PER G.S.N. IN AREAS INDICATED. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. WHERE VAPOR BARRIER OCCURS, REINFORCE SLAB WITH 5 LBS/CY OF FIBER REINFORCING.
- SLOPE.
- TRENCH DRAIN - TYP. SLOPE FLOOR TO DRAIN.
- SEE DETAIL 1 AND GSN FOR EARTHWORK REQUIREMENTS.
- SEE ARCH'L AND CIVIL DRAWINGS FOR LOCATIONS AND LIMITS OF SITE WORK, SIDEWALKS, CURBS, SITE WALLS, ETC.
- SEE ARCH'L DRAWINGS FOR LOCATION OF EXTERIOR SLAB JOINTS - TYPICAL. PROVIDE JOINTS AT 12'-0" MAXIMUM EACH WAY IN UNREINFORCED SLABS PER DETAIL 101 AND AT 18'-0" O.C. MAXIMUM EACH WAY IN REINFORCED SLABS PER DETAIL 109 U.N.O.
- WARP LINE - TYPICAL.
- #5 VERTICALS AT 16" O.C. - TYP FULL HEIGHT WALLS AT SIDES OF APPARATUS BAY.
- EXTEND CONTINUOUS FOOTING REINFORCING INTO PAD FOOTING AT INTERSECTIONS - TYPICAL.
- BOLLARD PER DETAIL 10 - TYPICAL. SEE ARCH'L DRAWINGS FOR EXACT LOCATION AND QUANTITY. EXTEND FOOTING PER DETAIL 10 AS REQUIRED.
- SAWCUT JOINT - TYPICAL U.N.O. C.J. INDICATES SLAB CONSTRUCTION JOINT. SEE DETAILS 101 AND 102.
- MCJ INDICATES MASONRY CONTROL JOINT PER DETAIL 21. VERIFY ALL MCJ LOCATIONS WITH ARCH'L DRAWINGS PRIOR TO CONSTRUCTION.
- PROVIDE DOWELS PER DETAIL 113 WHERE INDICATED ON PLAN WHERE EXTERIOR CONCRETE SLABS OCCUR.
- SLOPE SLAB TO DRAIN - SEE ARCH'L AND MECH'L/PLUMBING DRAWINGS.
- 1 #5 VERTICAL FULL HEIGHT OF WALL IN EACH OF 3 ADJACENT CELLS, CENTERED ON BEAM/INTEL/GIRDER BEARING.
- 2 #5 VERTICAL FULL HEIGHT OF WALL IN EACH OF 2 ADJACENT CELLS AT JAMB (4 BARS TOTAL).
- 2 #4x4'-0" CENTERED IN SLAB AT 6" O.C. - TYPICAL AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. BEND BARS AS REQUIRED.
- RAISED CONCRETE SLAB IN AREA INDICATED PER DETAIL 116. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
- CONNECT WOOD STUDS TO ICF WALLS PER DETAIL 67 - TYP U.N.O.
- CONNECT MASONRY WALLS TO ICF WALLS PER DETAIL 44 - TYP U.N.O.
- DEPRESSED FLOOR SLAB 2" MIN - TYPICAL AT HANDICAPPED BATHROOM SHOWER PER DETAIL 119. SEE ARCH'L DRAWINGS FOR DEPTH, SIZE AND LOCATION OF DEPRESSION FOR ADDITIONAL INFORMATION.
- SEE DETAIL 68 FOR WOOD INFILL FRAMING AROUND DOORS AND WINDOWS IN ICF WALL OPENINGS - TYP. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE ELECTRICAL AND ARCH'L DRAWINGS FOR SWITCH BOXES AND CONDUIT IN MASONRY WALLS. SEE DETAIL 23 FOR LIMITATIONS OF CONDUIT/PIPE/BOXES IN MASONRY.
- INDICATES AREA WITH 8" CONCRETE SLAB ($f'_c = 4,000$ PSI) OVER 4" A.B.C. - TYPICAL AT EXTRACTOR. EXTEND 18" ALL AROUND EXTRACTOR.
- PROVIDE TIES WHERE INDICATED AND WHERE REQUIRED PER DETAIL 21 - TYPICAL.
- 2 #5 VERTICAL FULL HEIGHT OF WALL IN ONE CELL AT JAMB OR WALL END (2 BAR TOTAL)

NOTE:
BOTTOM OF FOOTING ELEVATION
SHALL BE 2'-0" MINIMUM BELOW
LOWEST ADJACENT FINISHED GRADE
OR FINISHED FLOOR ELEVATION,
WHICHEVER IS LOWER - TYPICAL
U.N.O.

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perlmanaz.com

Seal



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Rev	Date	By	Description

City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date

07-17-19

Project Number

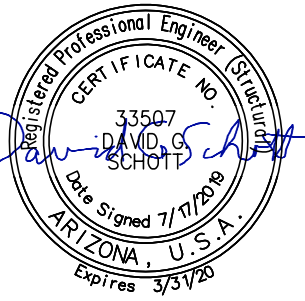
318009

Sheet Number

FOUNDATION PLAN

S1.1

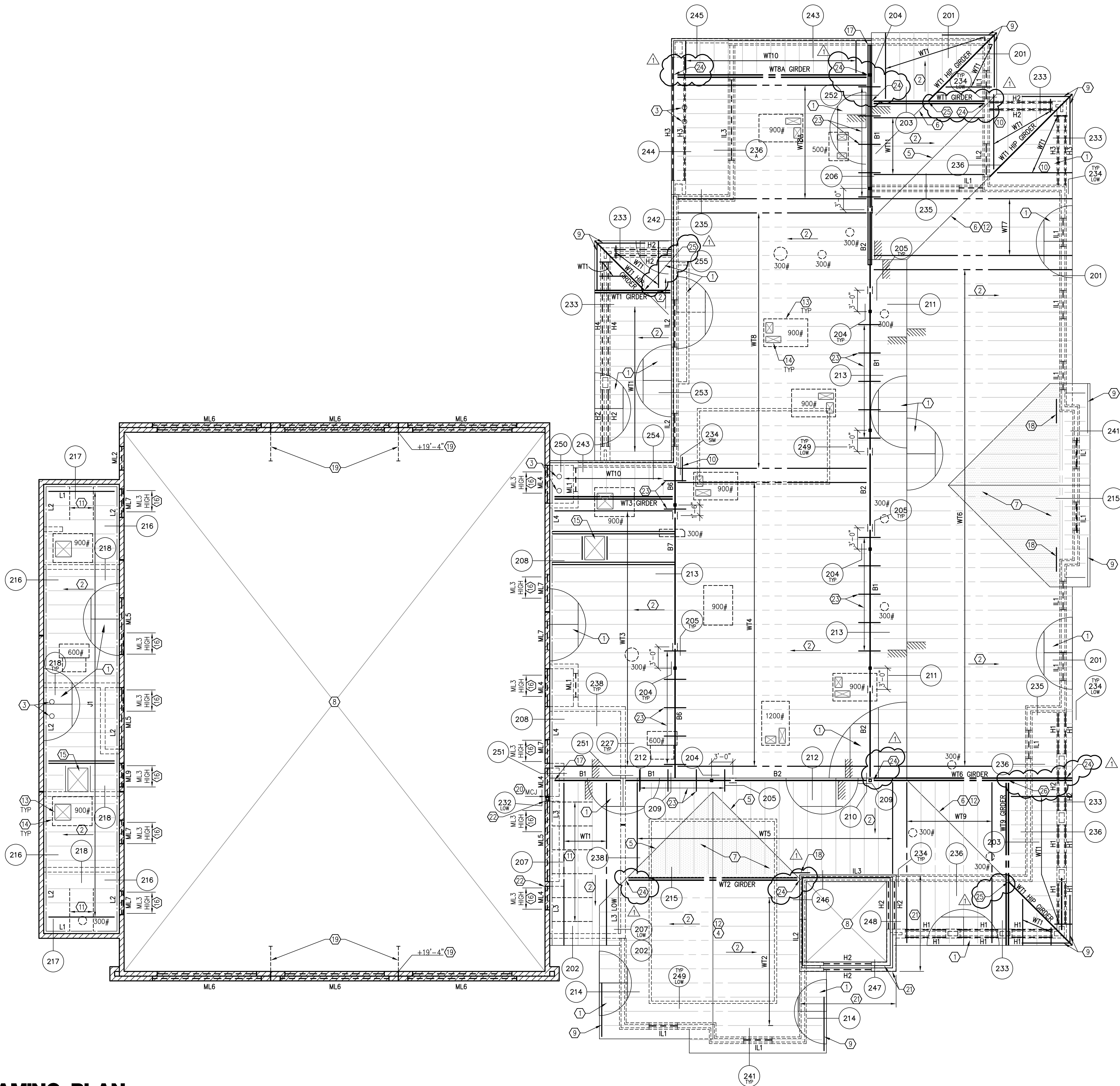
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ROOF FRAMING NOTES – TYPICAL U.N.O.:

- 1/2" PLYWOOD SHEATHING – TYPICAL AT WOOD JOIST ROOFS U.N.O. SEE G.S.N. FOR LAYOUT AND ATTACHMENTS.
- SLOPE.
- ROOF DRAIN OPENING – TYPICAL SEE DETAILS 65 AND 66 FOR FRAMING AT OPENINGS. FOR EXACT SIZE, LAYOUT AND LOCATION OF OPENINGS, SEE ARCH'L AND PLUMBING DRAWINGS.
- RIDGE LINE.
- VALLEY LINE.
- HIP LINE.
- OVERFRAMING IN AREA INDICATED PER DETAIL 69.
- OPEN TO BELOW.
- 2x FASCIA BEAM SHALL BE CONTINUOUS IN AREA INDICATED – TYPICAL 8'-0" MIN FROM CORNERS.
- SIMPSON MSTC40 STRAP FROM BEAM TO 3x TOP PLATE.
- 2x BLOCKING AND STRAPS AT 4'-0" O.C. MAX PER DETAILS 207 AND 217. EXTEND 6'-0" MIN U.N.O.
- 2x BLOCKING AT ALL HIP, VALLEY AND RIDGE LINES. PROVIDE STAGGERED PLYWOOD EDGE NAILING EACH SIDE TO BLOCKING – TYPICAL.
- MECHANICAL UNIT – TYPICAL U.N.O. SEE DETAILS 47 AND 66 FOR ROOF MOUNTED UNIT SUPPORT, WEIGHTS AND LOCATION OF MECHANICAL UNITS ARE APPROXIMATE. FOR EXACT WEIGHTS, LOCATIONS, DUCT OPENINGS, ADDITIONAL UNITS, ETC., SEE ARCH'L AND MECH'L DRAWINGS. PROVIDE ADDITIONAL TRUSSES AS REQUIRED. LOADS INDICATED ON PLAN INCLUDES A 20% INCREASE AS REQUIRED BY IBC.
- MECHANICAL OPENING – TYPICAL. SEE ARCH'L AND MECH'L DRAWINGS FOR EXACT LOCATION, NUMBER AND SIZE OF OPENINGS. FOR FRAMING AT OPENINGS, SEE DETAIL 47, 65 AND 66.
- ROOF HATCH OPENING. FOR LOCATION AND SIZE OF OPENING, SEE ARCH'L DRAWINGS. FOR FRAMING AT OPENINGS, SEE DETAIL 65 AND 66.
- MECHANICAL OPENING IN MASONRY OR ICF WALL. SEE ARCH'L AND MECH'L DRAWINGS FOR EXACT LOCATION, SIZE AND ELEVATION OF OPENING. SEE DETAIL 28 FOR OPENING LIMITATIONS.
- HOLD BEAM 1" CLEAR OF ICF/MASONRY WALL FACE.
- SIMPSON DSCS AT TRUSS ORDER TO TOP PLATE. DESIGN GIRDER FOR 3000# (ASD) AXIAL WIND/SEISMIC LOAD.
- STEEL TUBE BRACE FROM ABOVE PER DETAIL 229.
- MCJ INDICATES MASONRY CONTROL JOINT PER DETAILS 21. LOCATE JOINT AT JAMB OR STEEL BEAM SPLICE.
- PROVIDE CONTINUOUS 6x6 WOOD PLATE PER DETAILS 247 AND 248 IN AREAS INDICATED. CONNECT PLATES AT CORNERS TO PERPENDICULAR WALLS PER DETAIL 257.
- SIMPSON VB BRACING AT 4'-0" O.C. MAX – TYP AT CANTILEVERED WOOD BEAMS.
- CONNECT TRUSS GIRDER TO BEAM/WALL WITH SIMPSON LGT GIRDER TIEDOWN.
- CONNECT HIP GIRDER TO GIRDER WITH SKEWED SIMPSON THA HANGER.
- CONNECT TRUSS GIRDER TO GIRDER WITH SIMPSON THA HANGER.



1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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Sheet Number

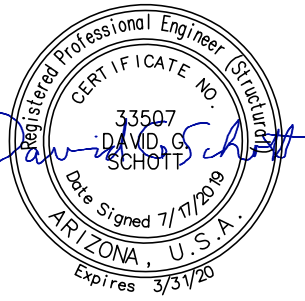
ROOF FRAMING PLAN

S1.2

NOTE:
ARCH'L ROOF PLAN AND ROOF DETAILS FOR
FIRE BLOCKING LAYOUT AND LOCATIONS WITHIN ROOF
TRUSS SYSTEM. PROVIDE 2x BLOCKING PANELS PER
DETAIL 63 AT EACH FIRE BLOCKING LOCATION WITH
GYPSBOARD/PLYWOOD AS REQUIRED ON ARCH'L
DRAWINGS.

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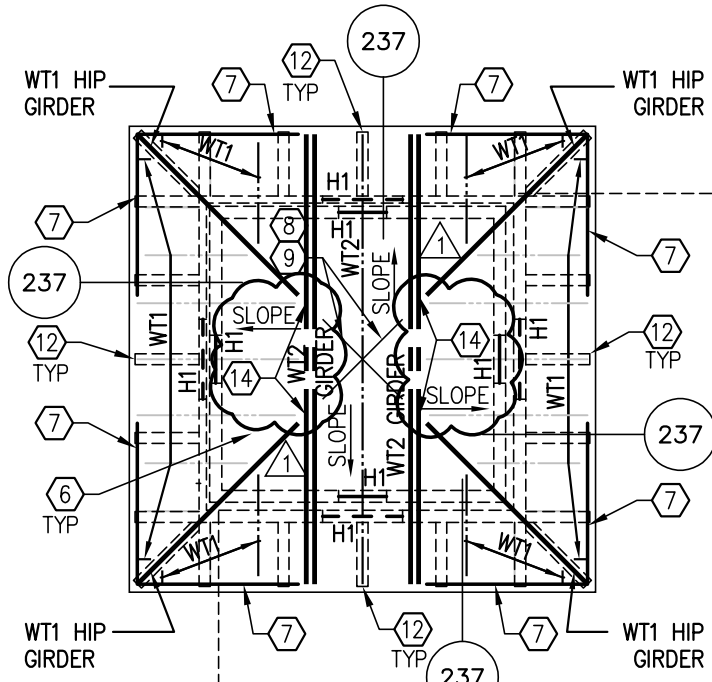
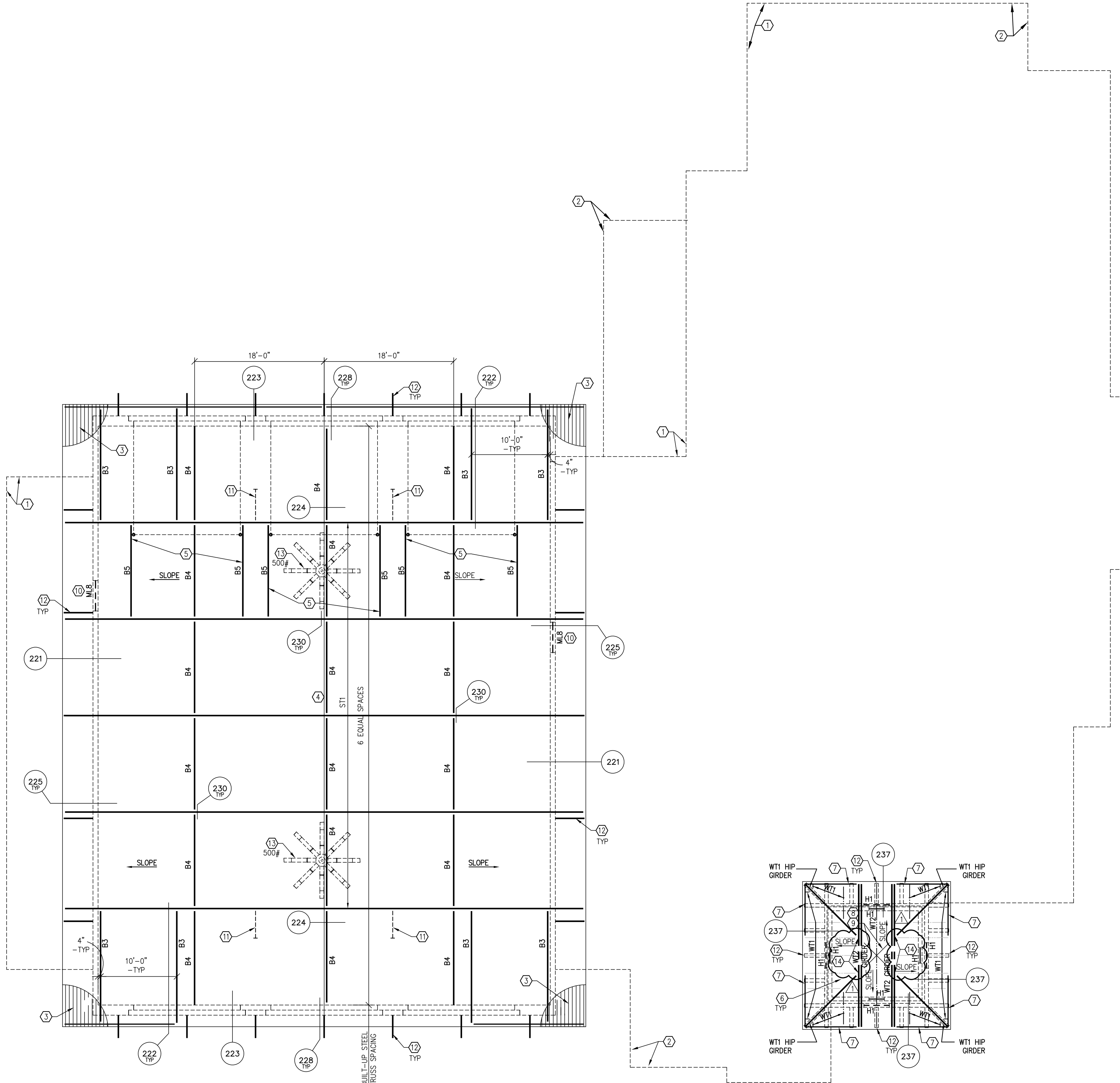
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HIGH ROOF FRAMING NOTES – TYPICAL U.N.O.:

1. OUTLINE OF WALL BELOW.
2. OUTLINE OF ROOF EDGE BELOW.
3. 3"x18 GAGE STEEL DECK – TYPICAL AT APPARATUS BAY ROOF. SEE DETAIL 46 AND GSN FOR LAYUP AND ATTACHMENT.
4. RIDGE LINE.
5. OVERHEAD DOOR SUPPORT POST PER DETAIL 226. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
6. 1/2" PLYWOOD SHEATHING – TYPICAL AT WOOD JOIST ROOFS U.N.O. SEE GSN FOR LAYUP AND ATTACHMENT.
7. 2x FASCIA BEAM SHALL BE CONTINUOUS IN AREA INDICATED – TYPICAL 10'-0" MIN FROM CORNERS.
8. 2x BLOCKING AT ALL HIP, VALLEY AND RIDGE LINES. PROVIDE STAGGERED PLYWOOD EDGE NAILING EACH SIDE OF TO BLOCKING.
9. HIP LINE.
10. MECHANICAL OPENING IN MASONRY OR ICF WALL. SEE ARCH'L AND MECH'L DRAWINGS FOR EXACT LOCATION, SIZE AND ELEVATION OF OPENING. SEE DETAIL 28 FOR OPENING LIMITATIONS.
11. STEEL TUBE BRACE FROM BELOW PER DETAIL 229.
12. FAUX WOOD OUTLOOKER/RAFTER TAIL PER ARCH'L DRAWINGS – TYP. SEE DETAIL 71 FOR ADDITIONAL INFORMATION.
13. CEILING FAN – TYPICAL. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EXACT WEIGHTS, AND LOCATIONS OF MECHANICAL UNITS, ETC. WEIGHTS AND LOCATIONS OF MECHANICAL UNITS ARE APPROXIMATE. ALL MECHANICAL UNIT LOADS SHOWN INCLUDE A 20% INCREASE AS REQUIRED BY THE IBC. FOR FRAMING AT FANS, SEE DETAIL 49.
14. CONNECT HIP GIRDER TO GIRDER WITH SKEWED SIMPSON THA HANGER



1 HIGH ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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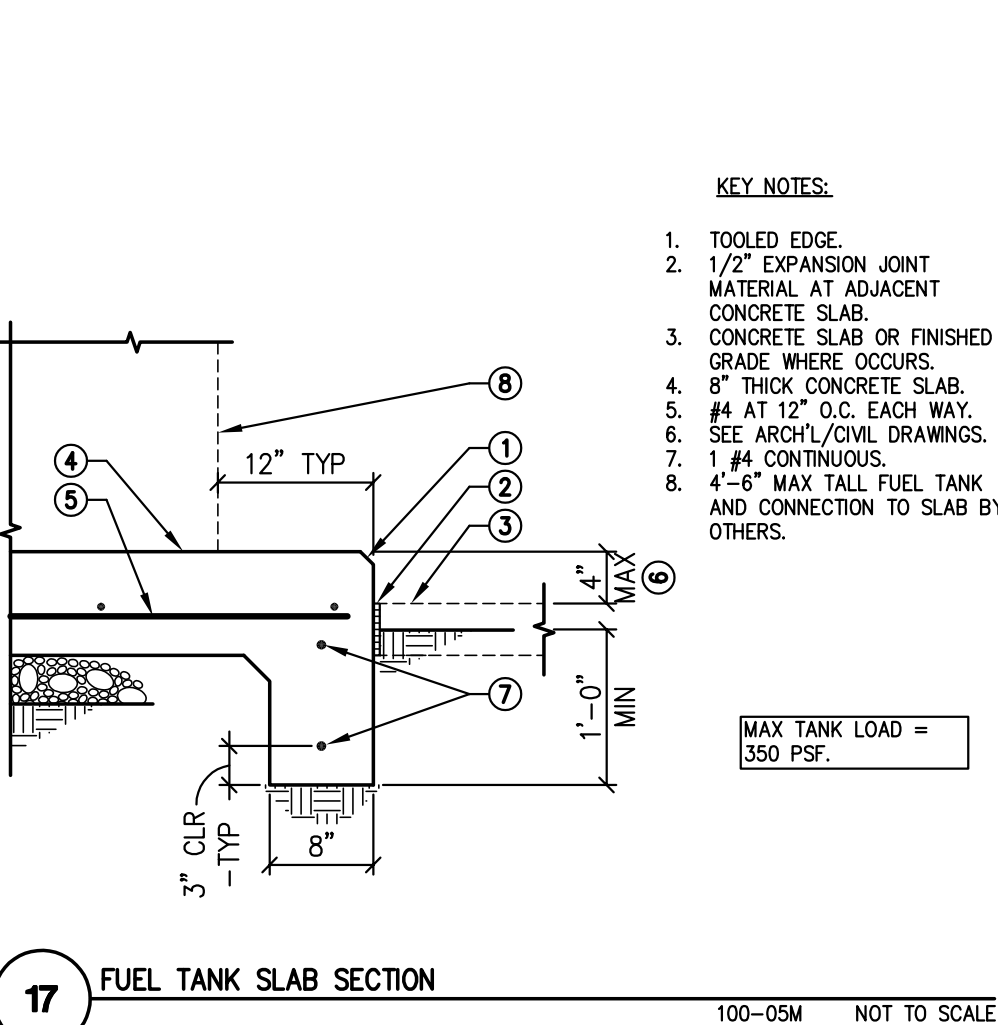
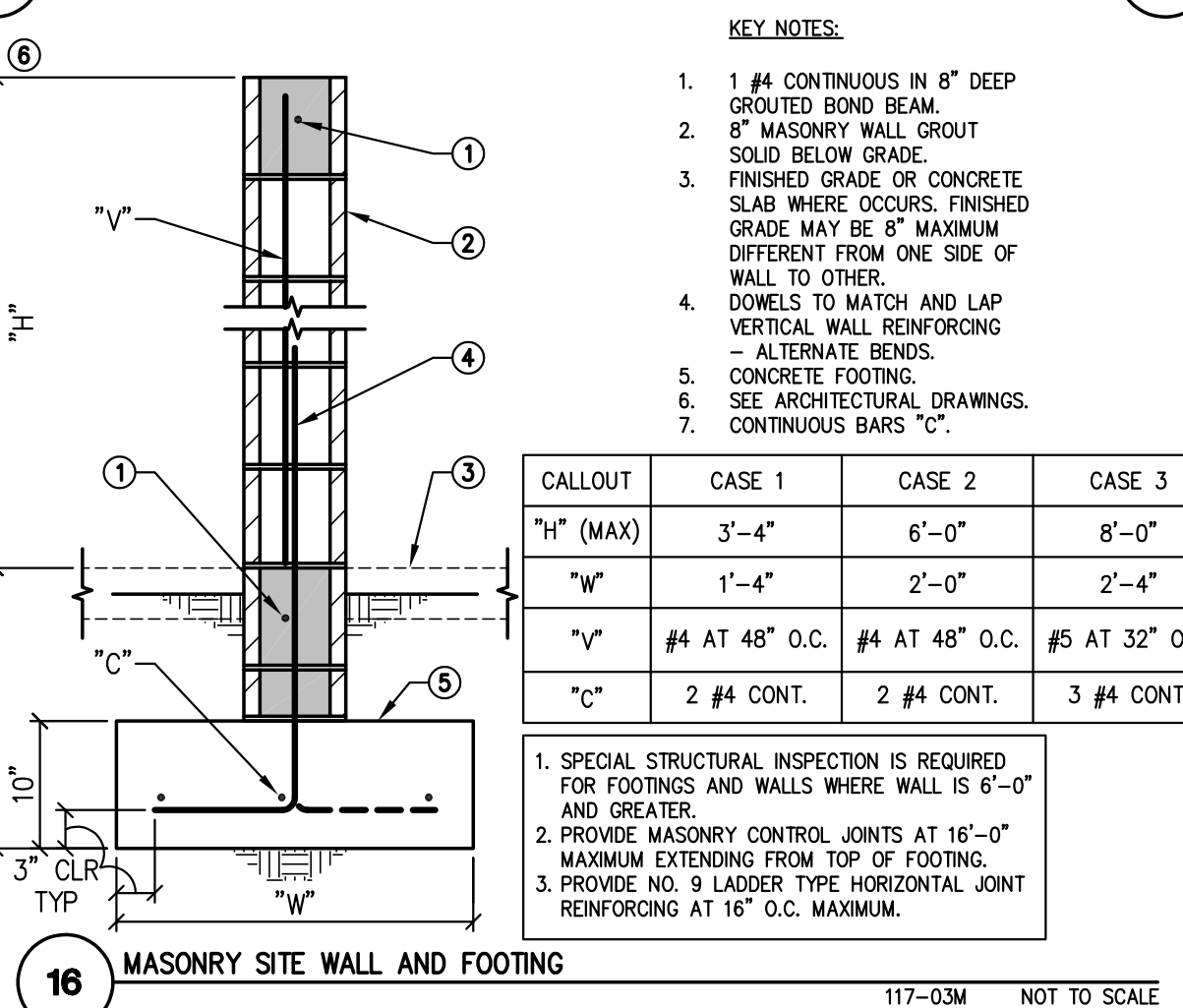
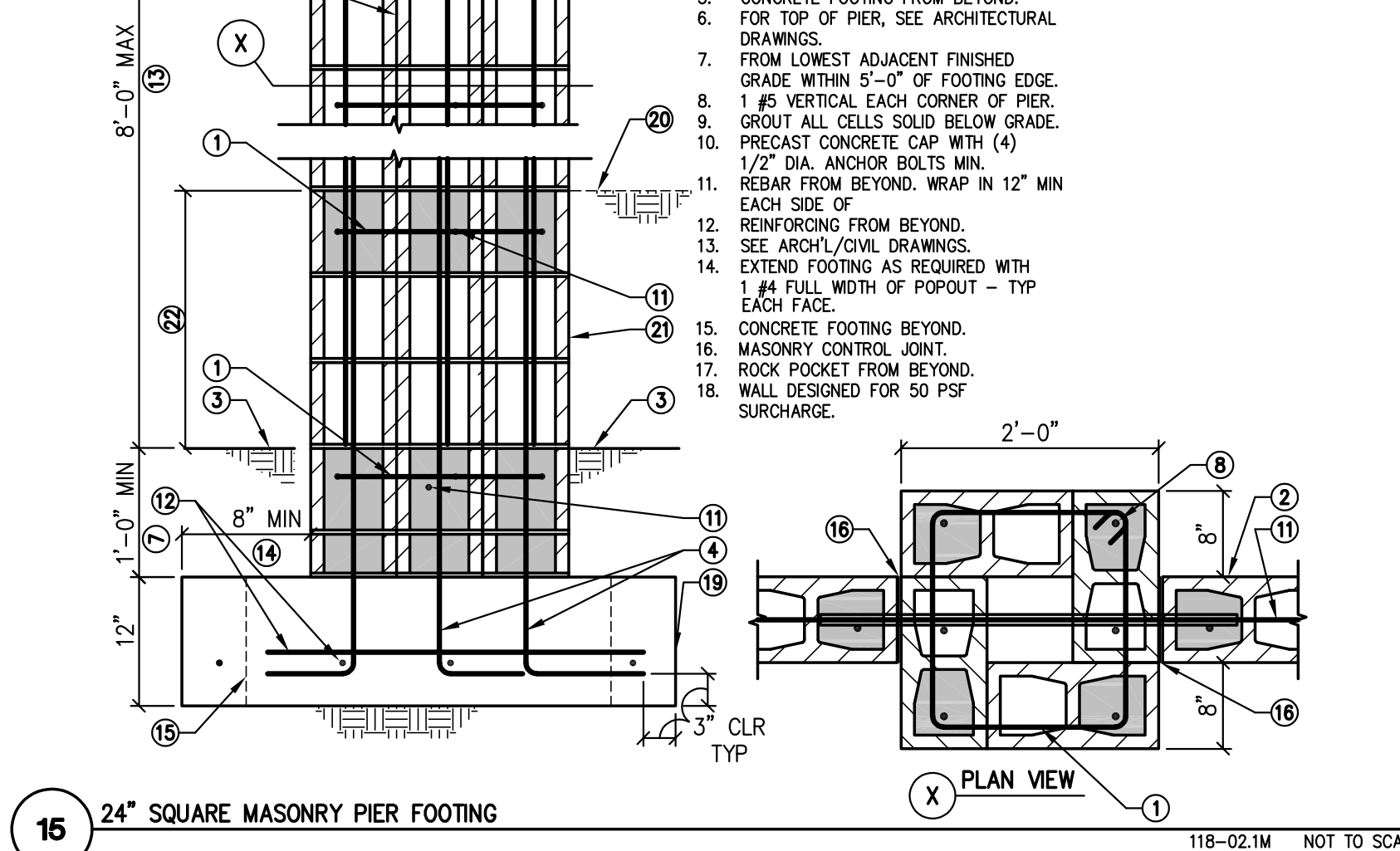
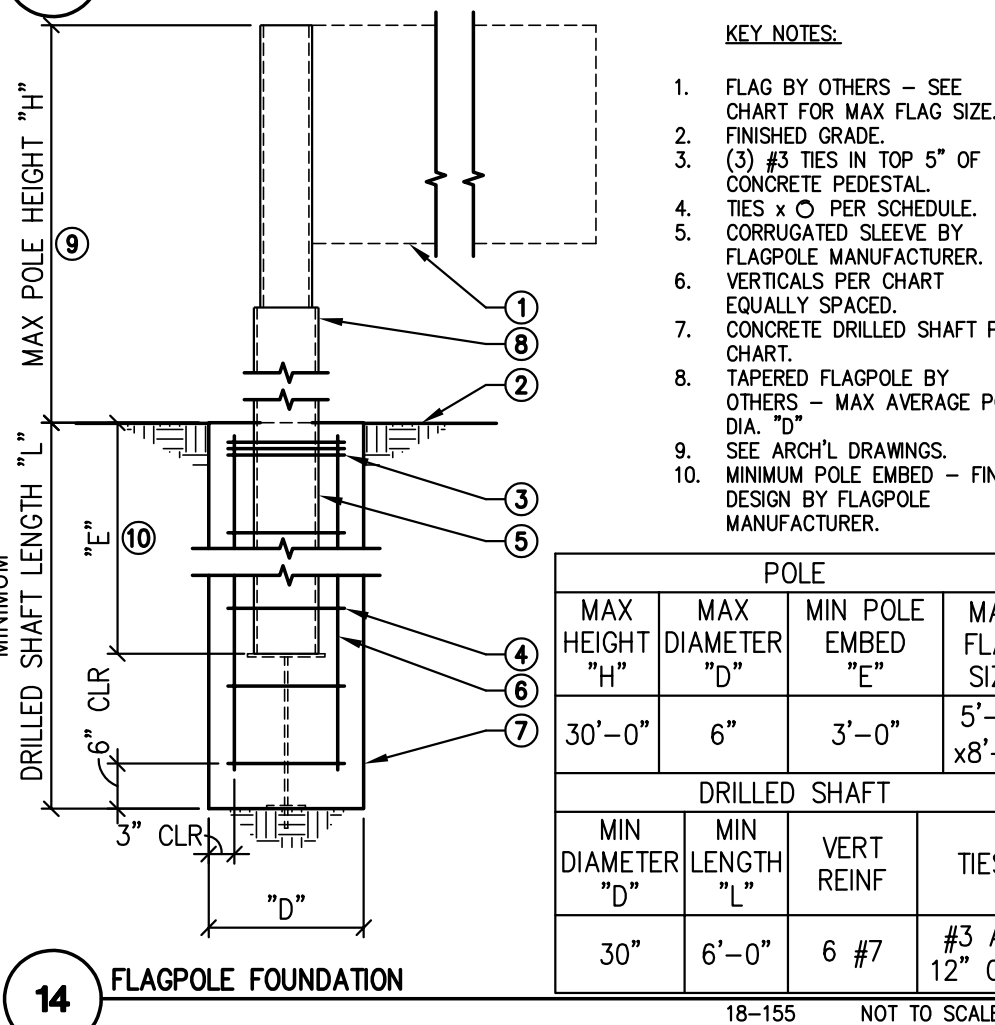
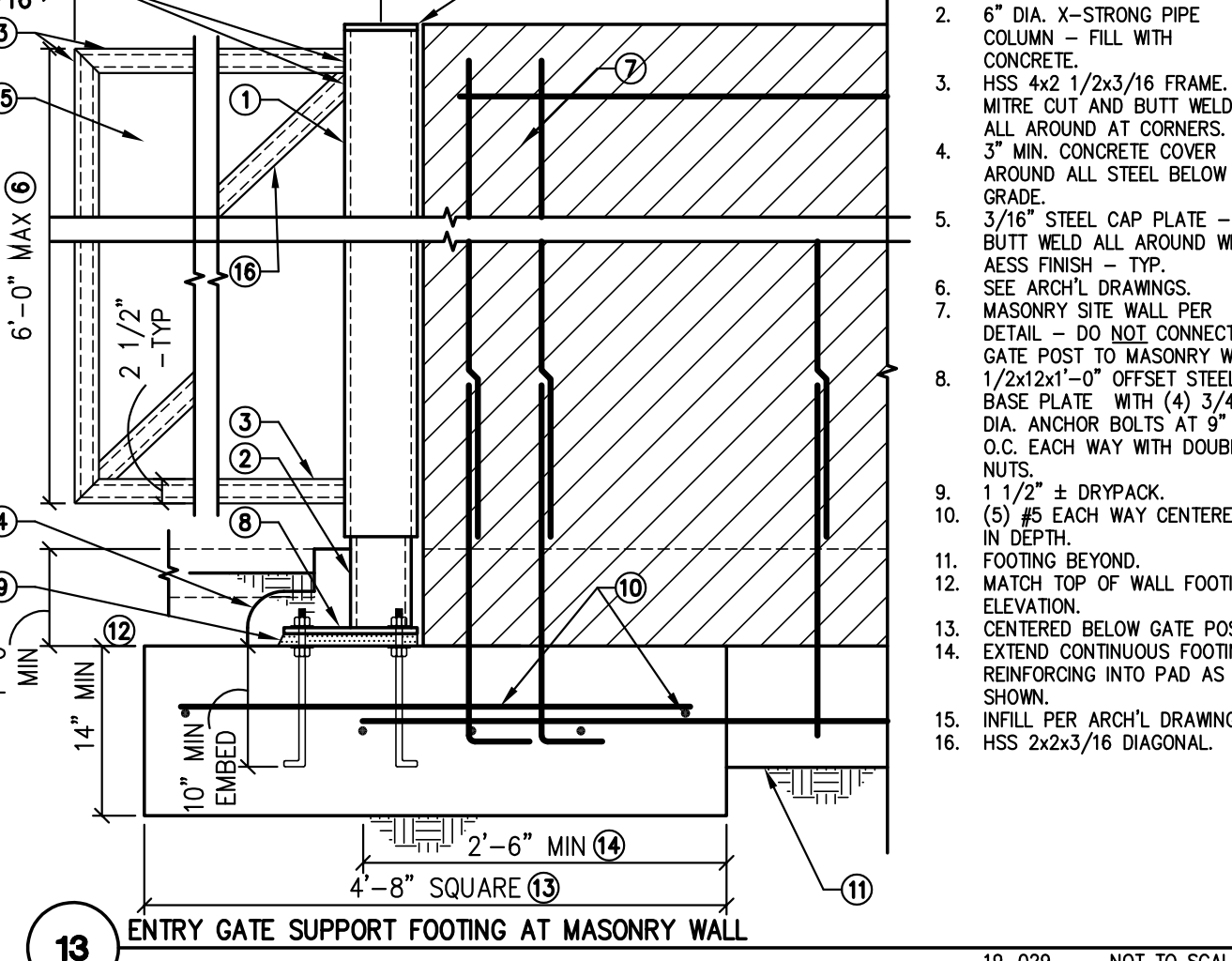
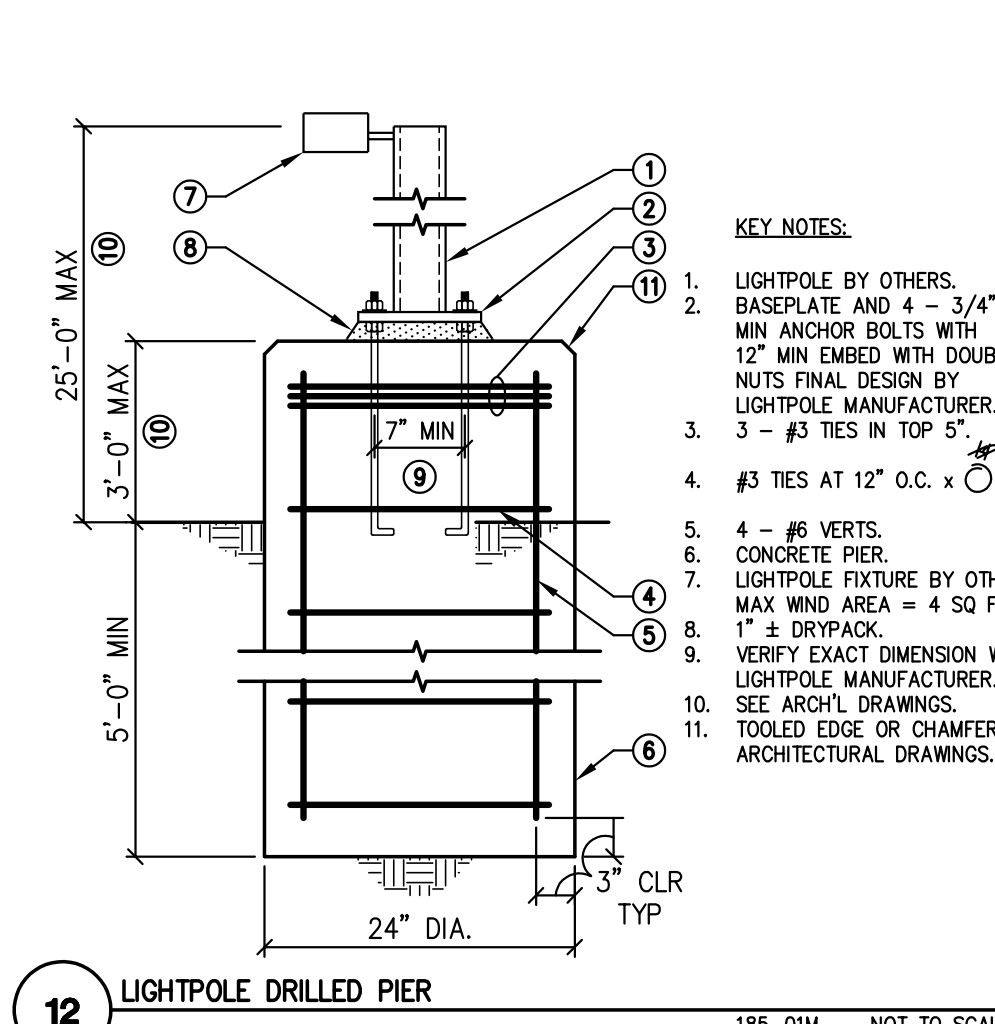
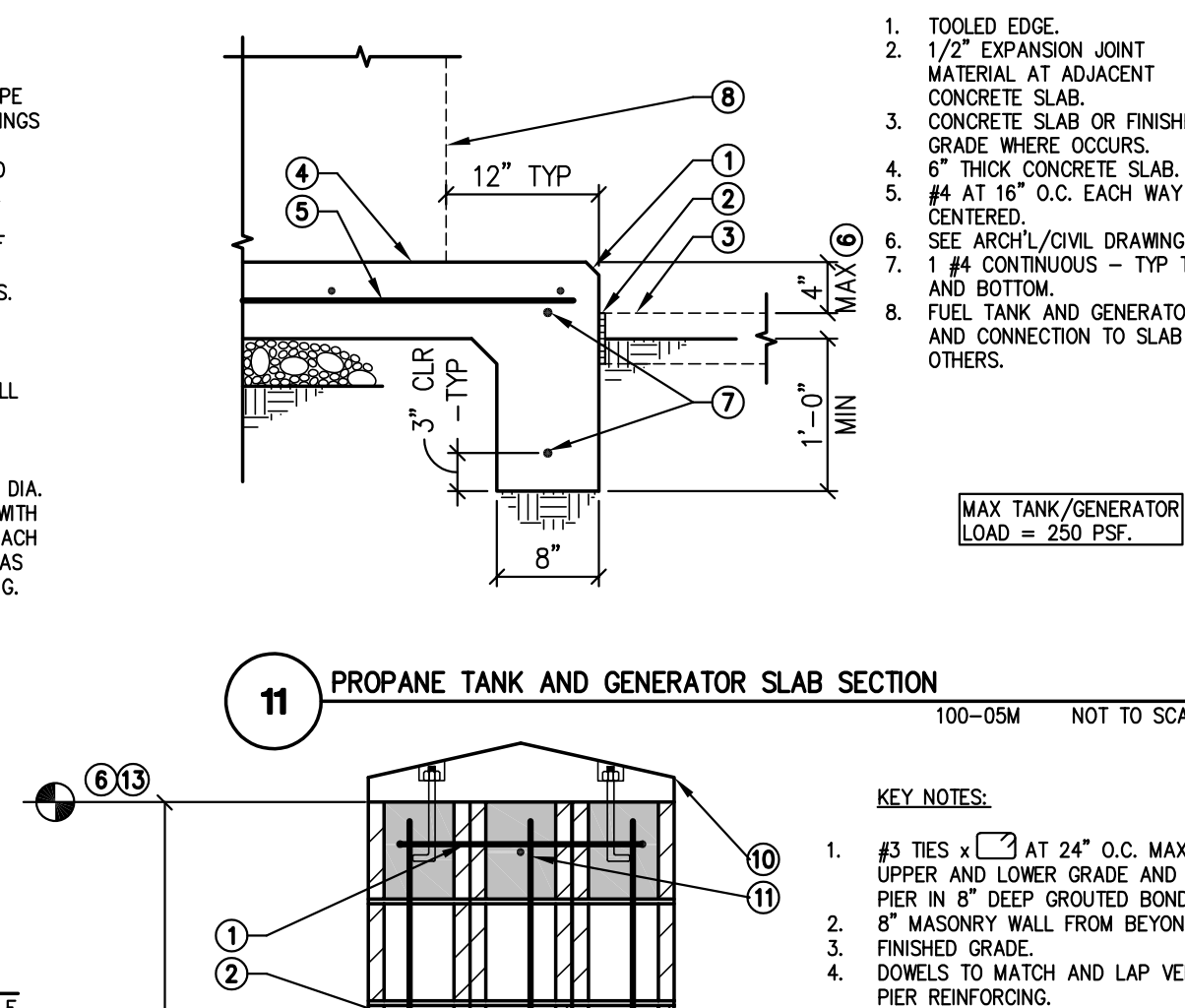
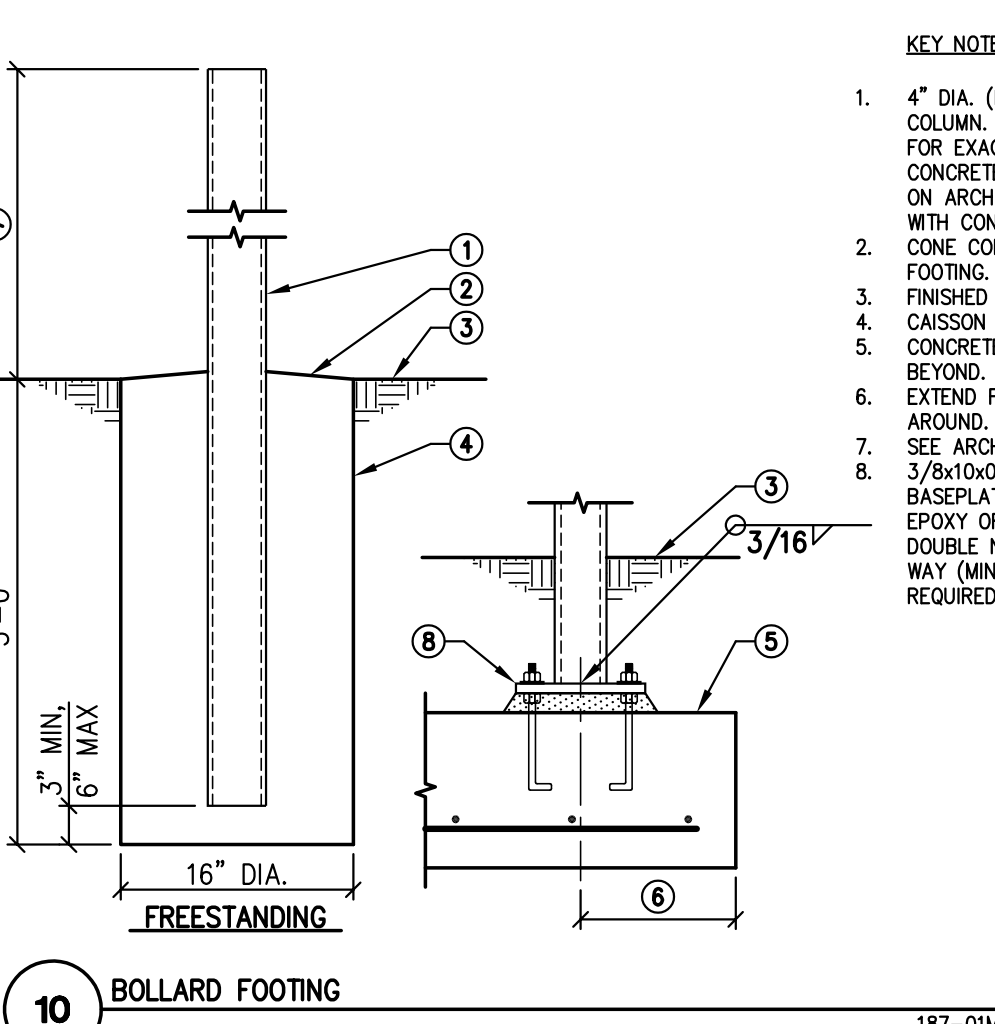
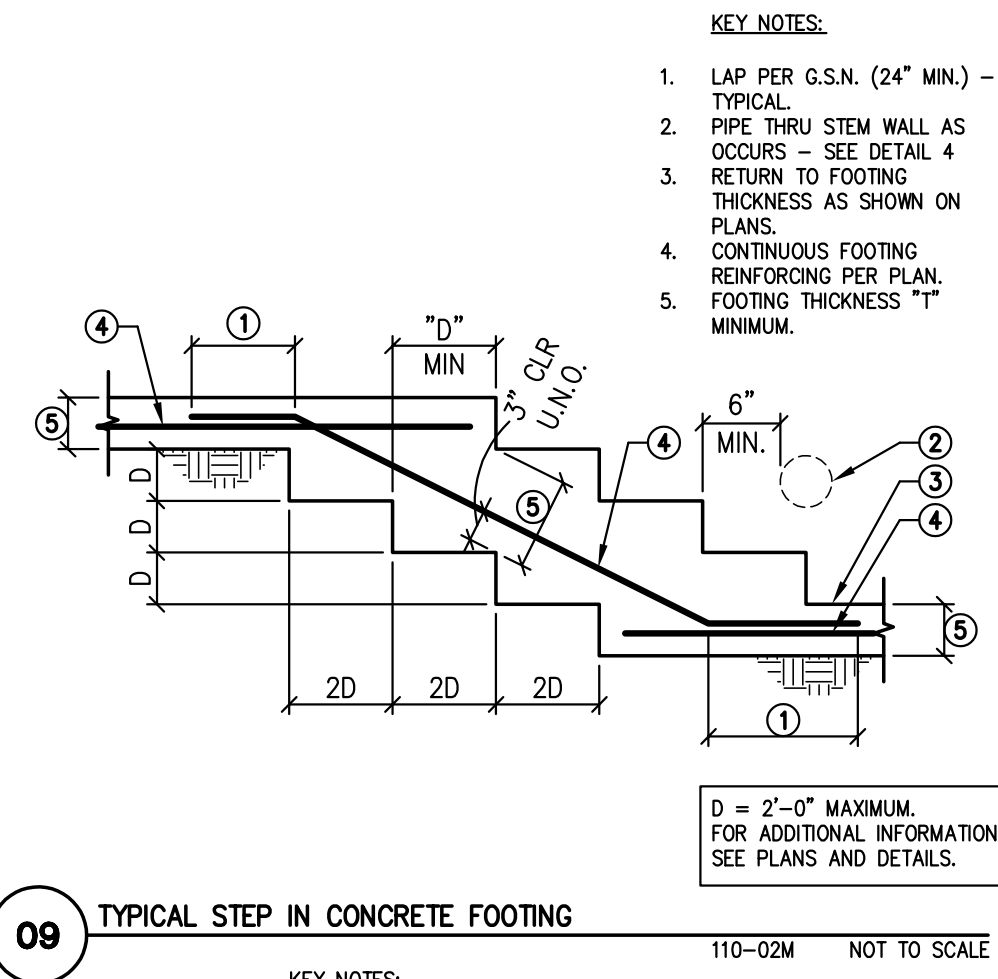
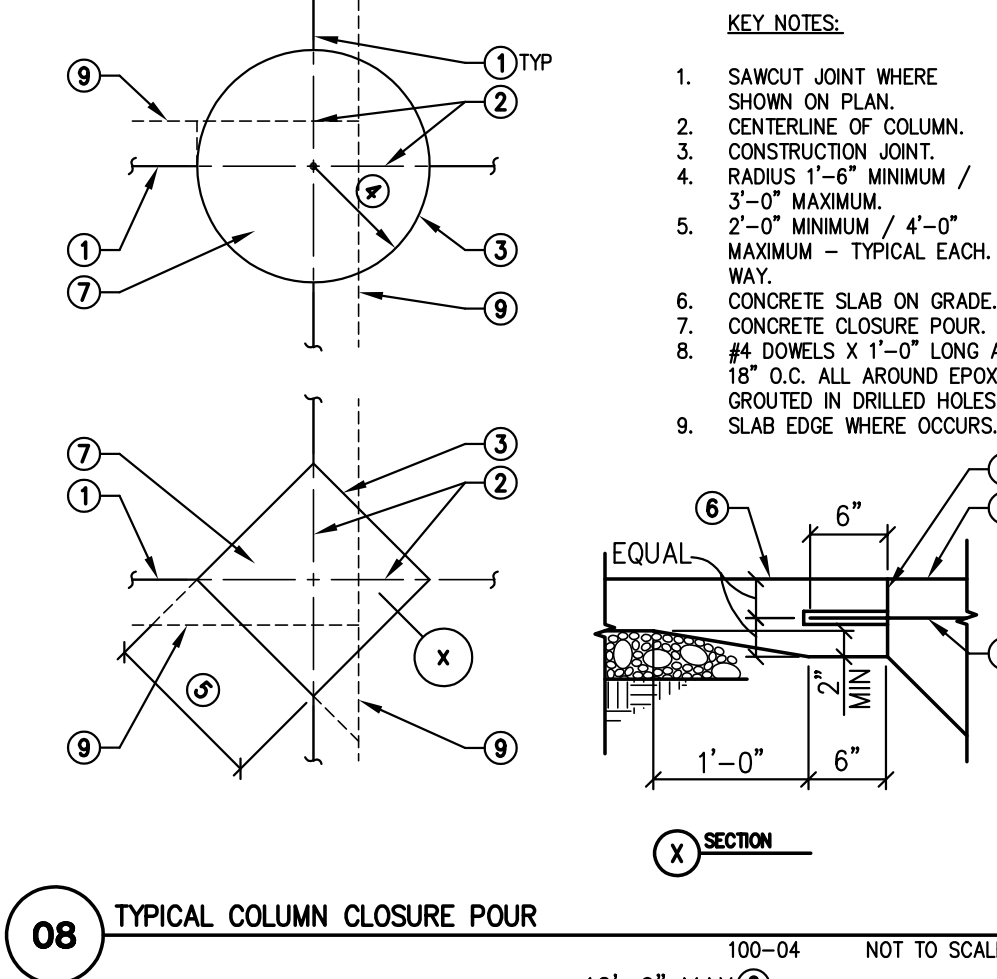
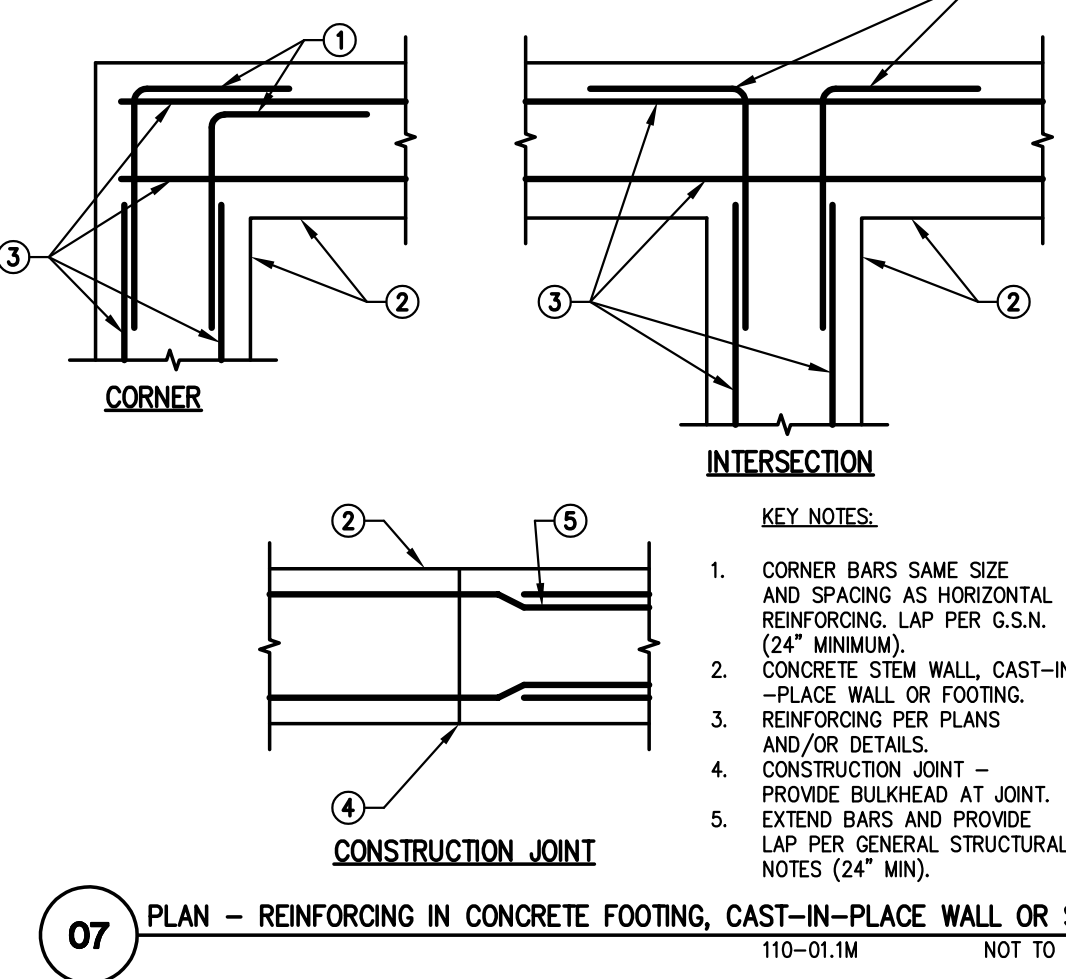
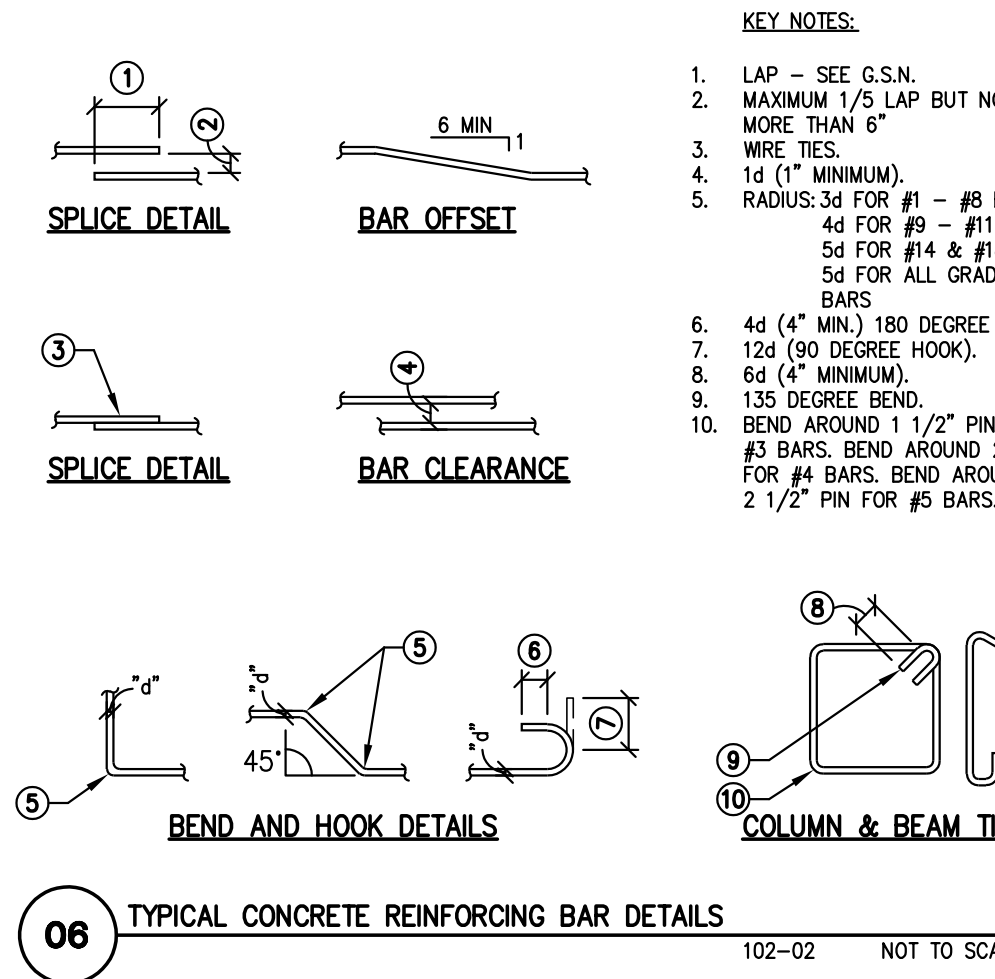
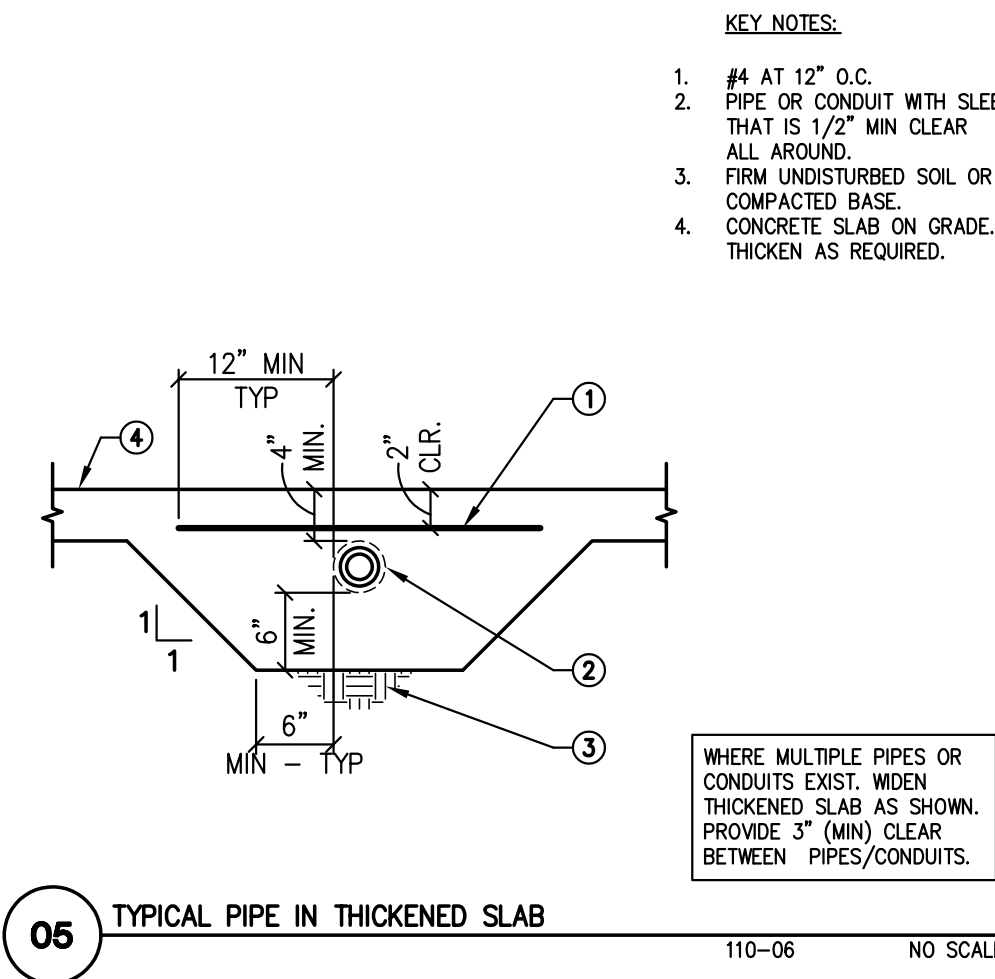
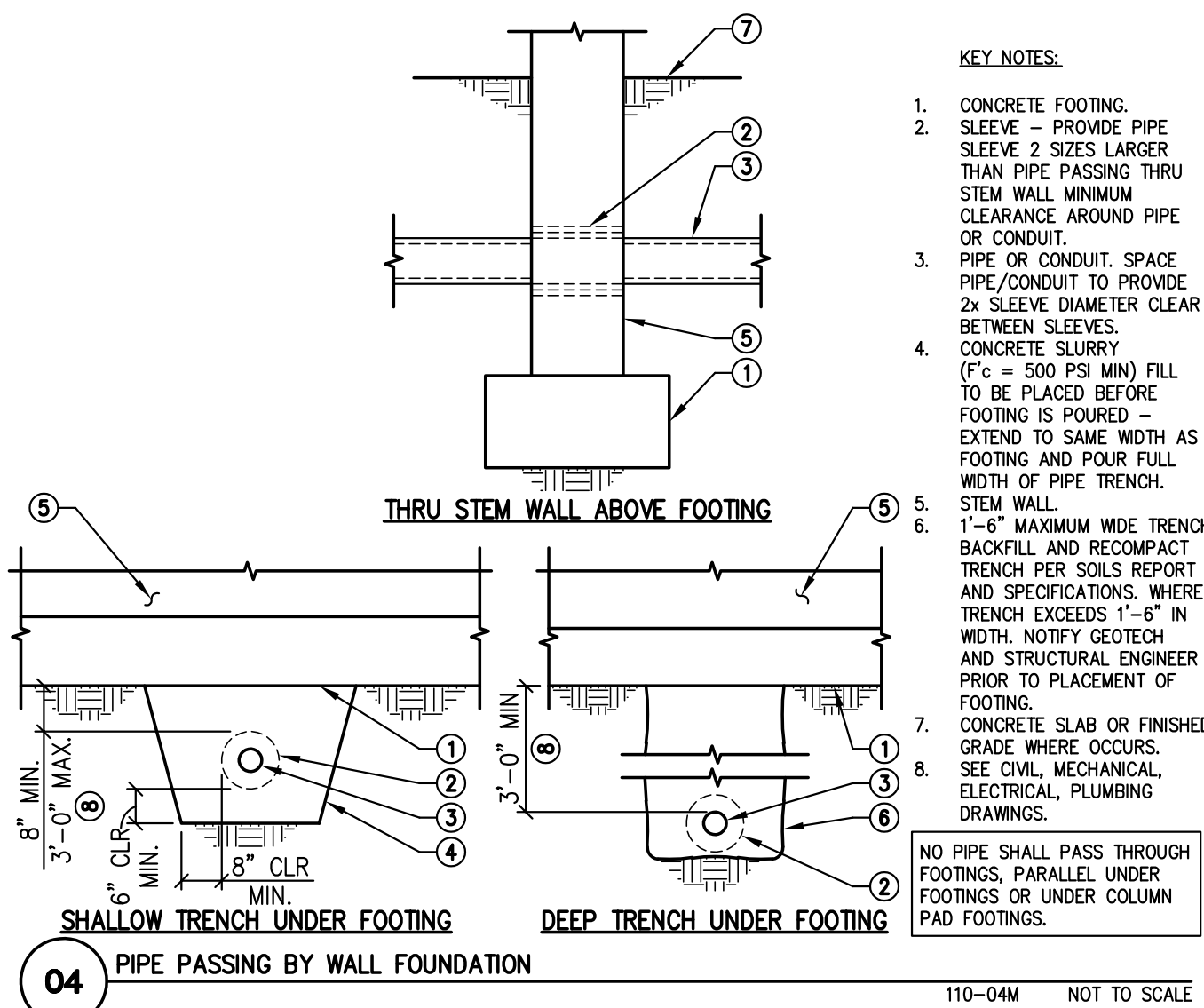
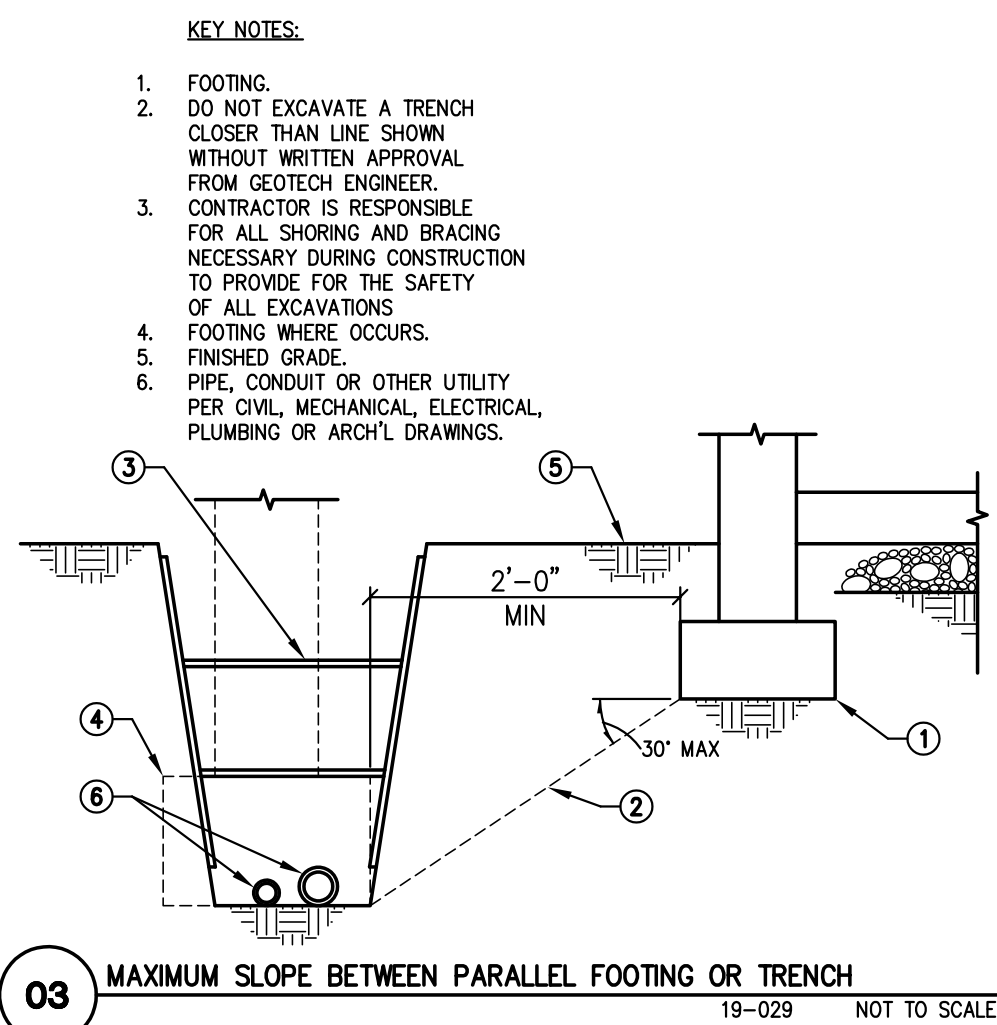
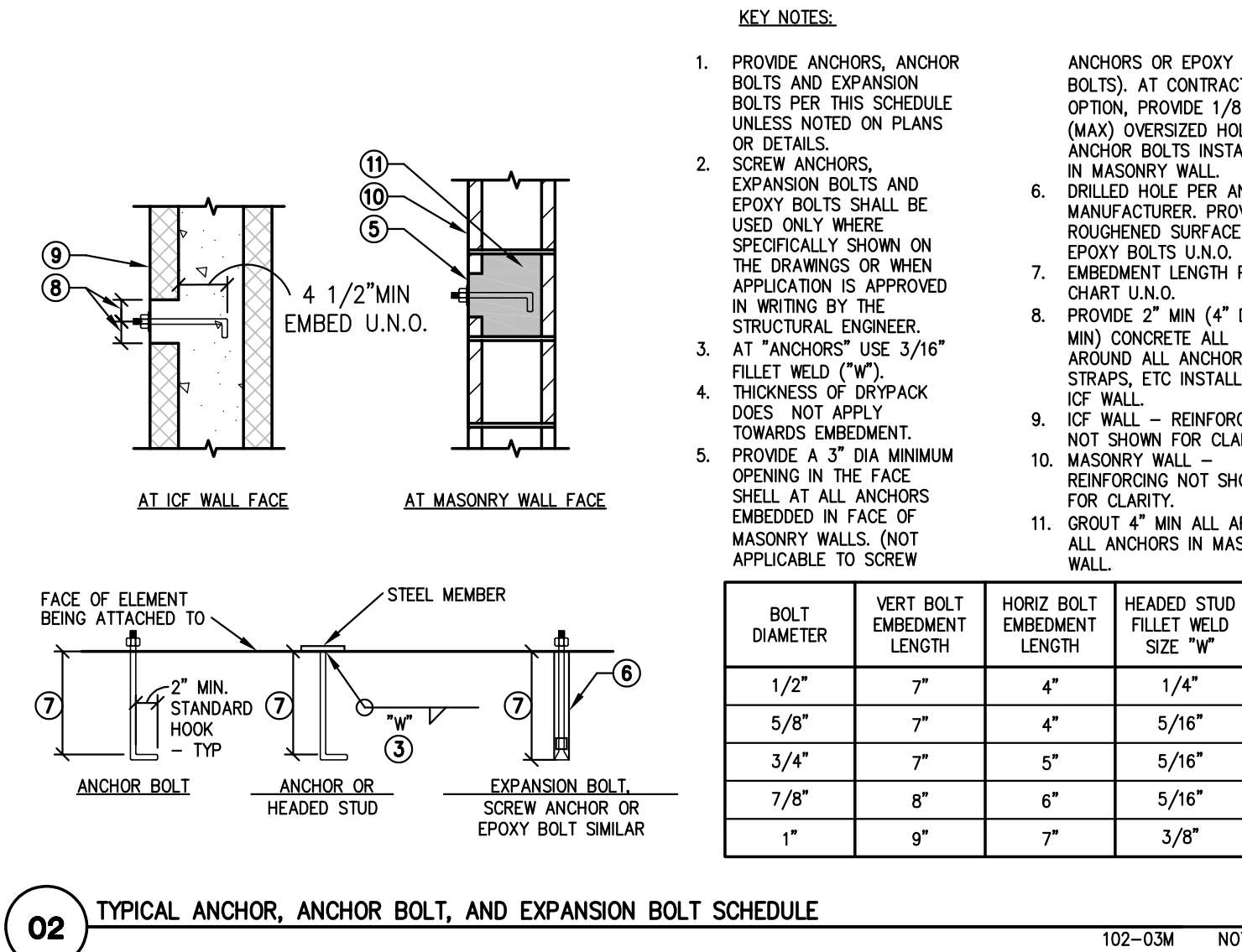
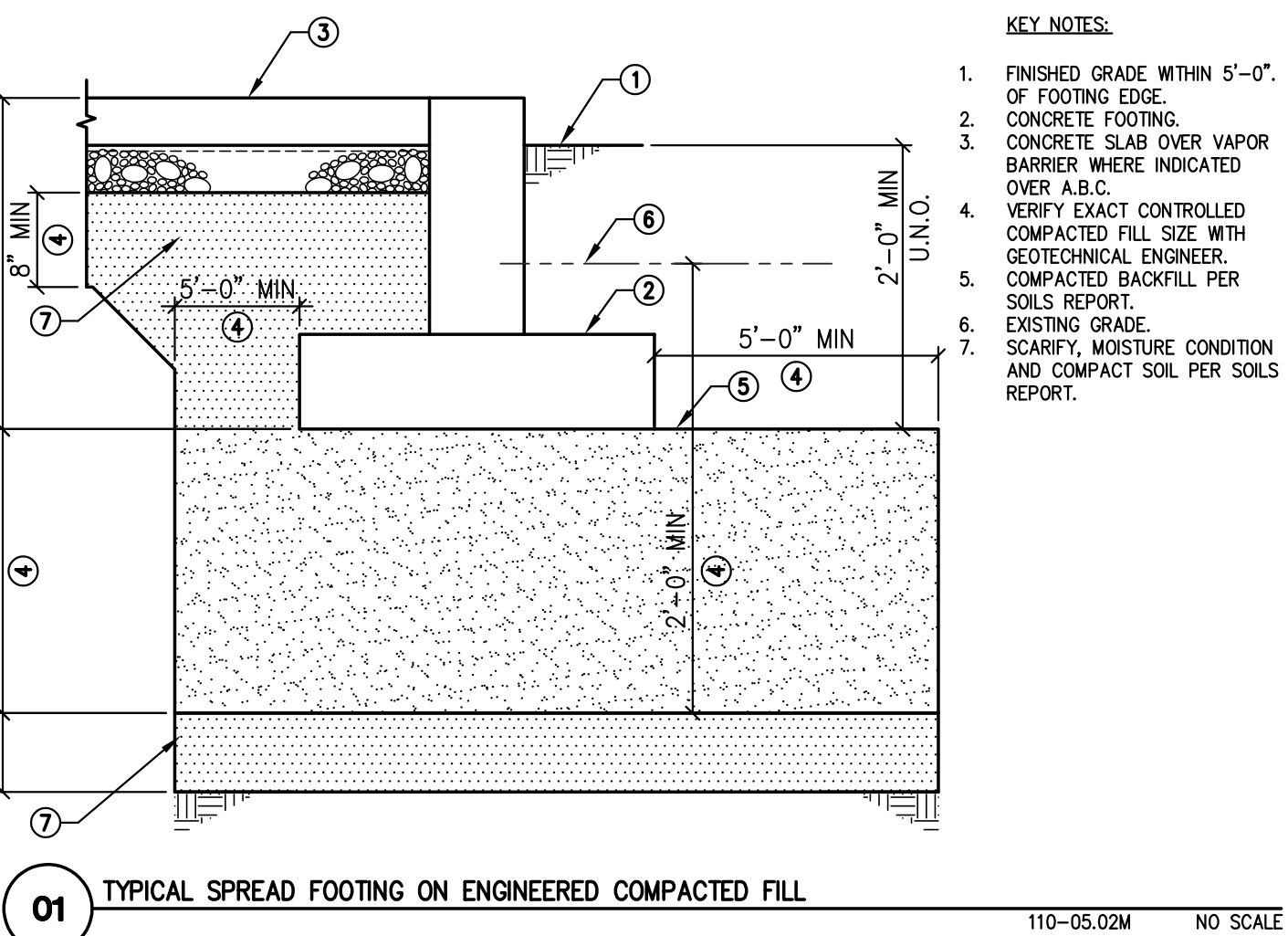
Sheet Number

HIGH ROOF FRAMING PLAN

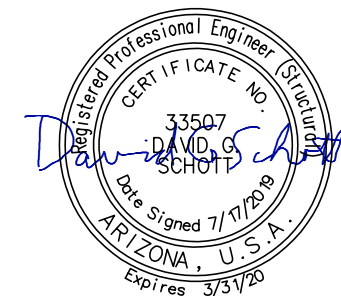
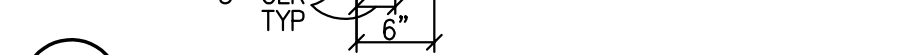
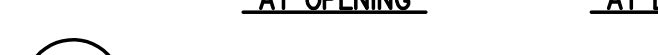
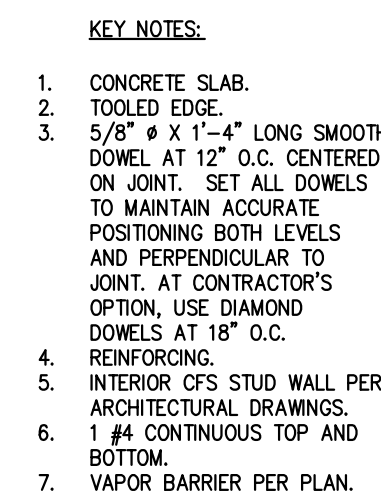
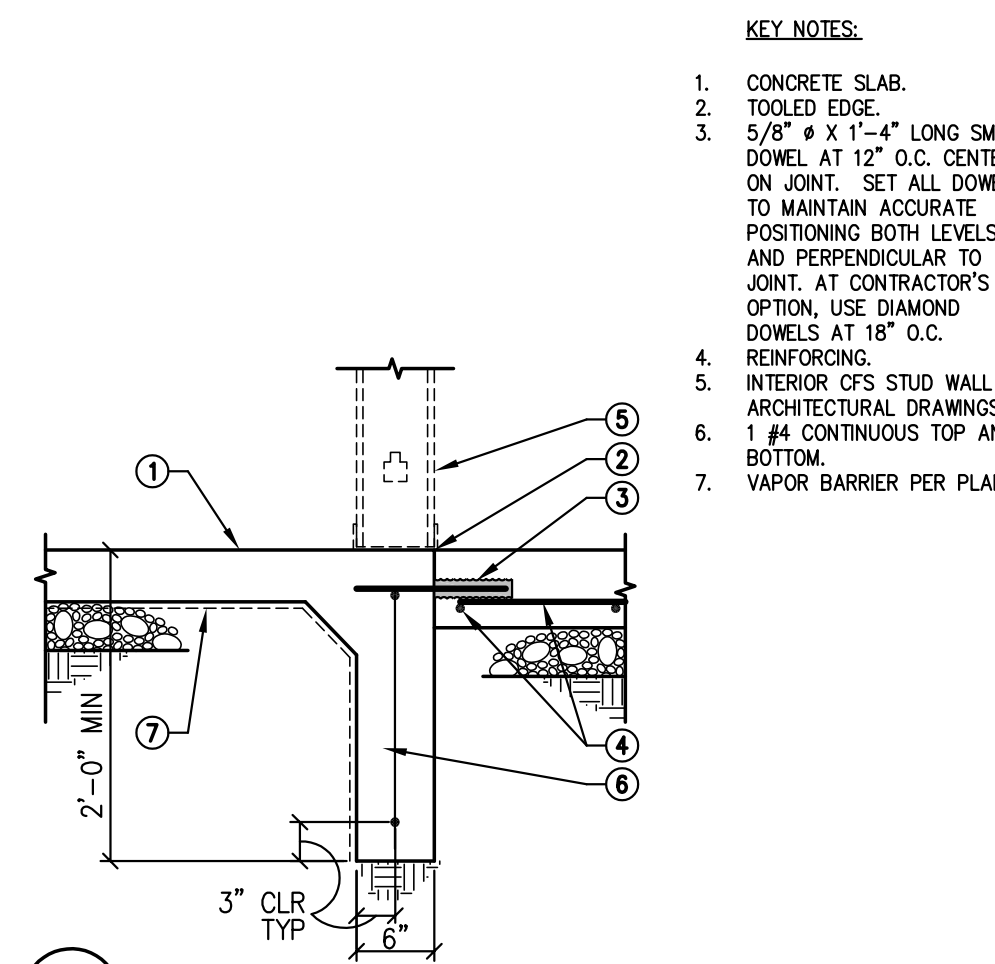
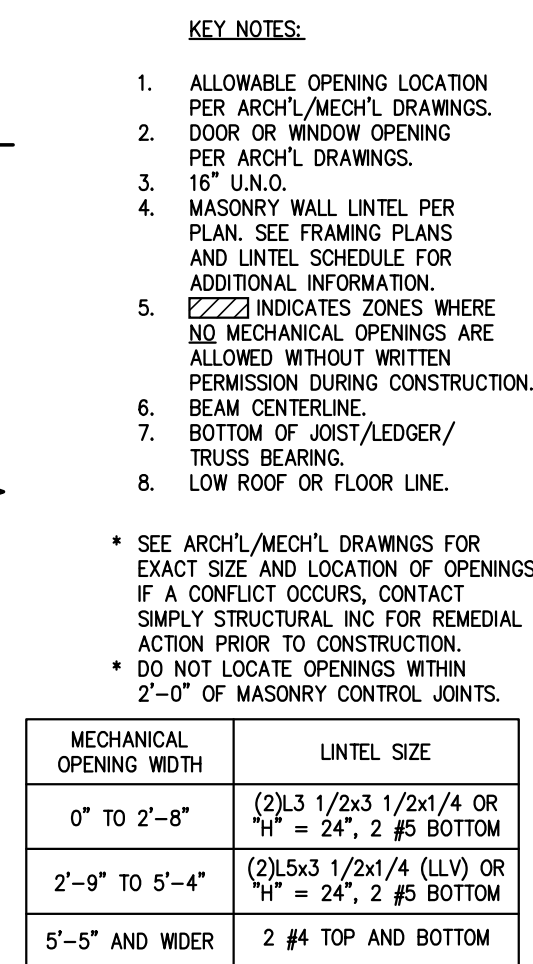
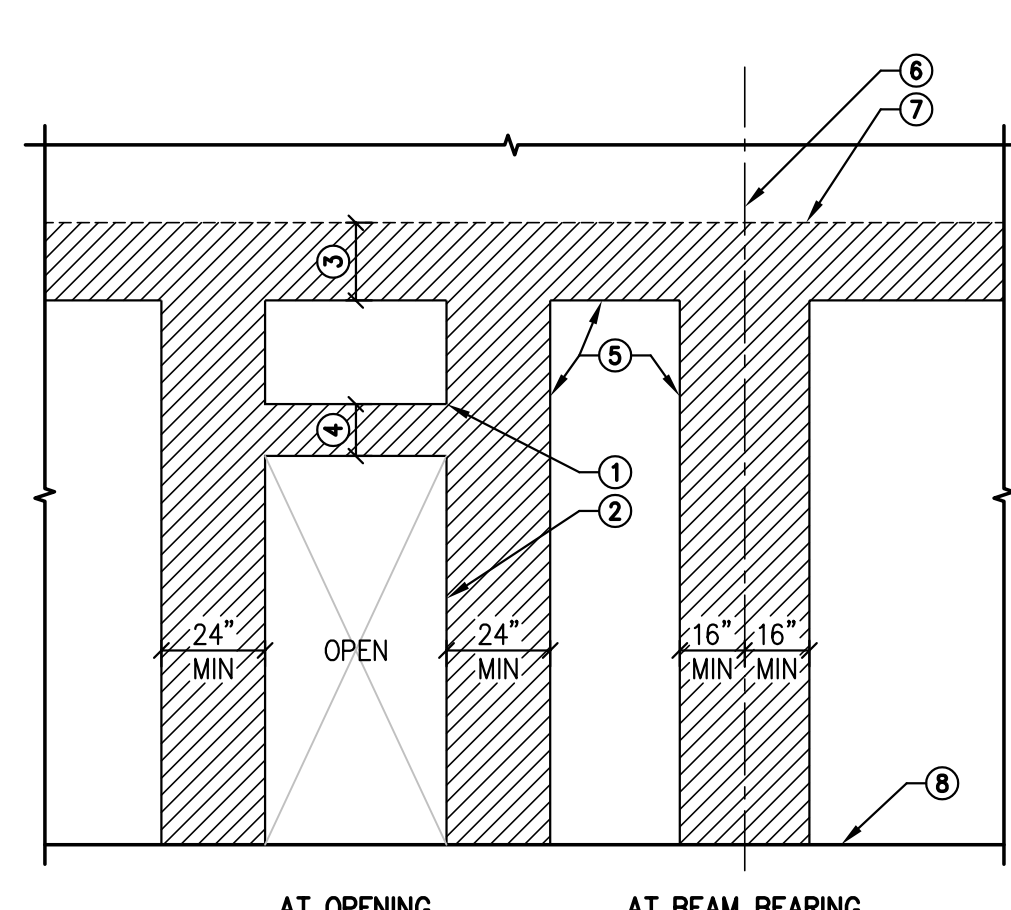
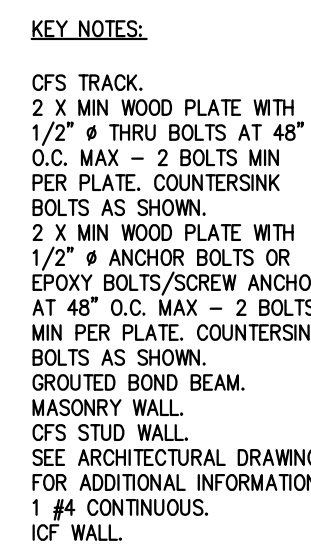
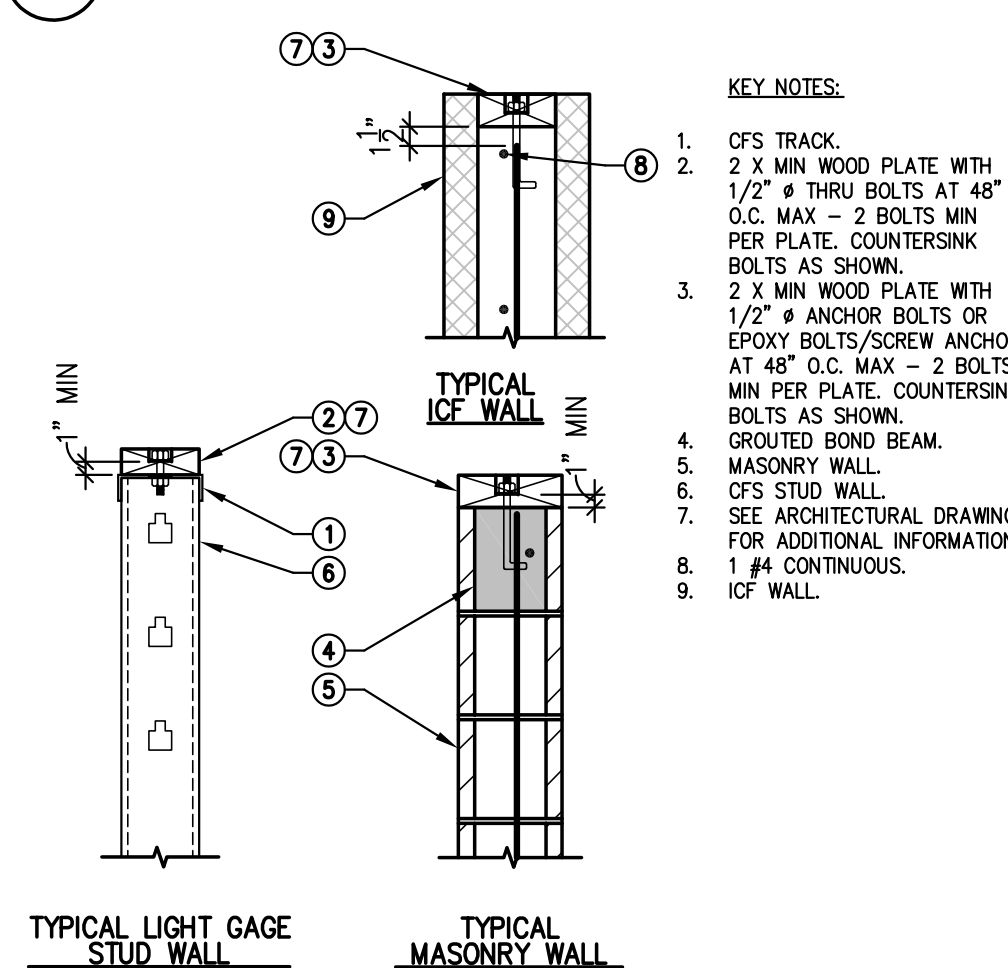
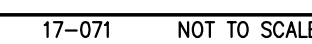
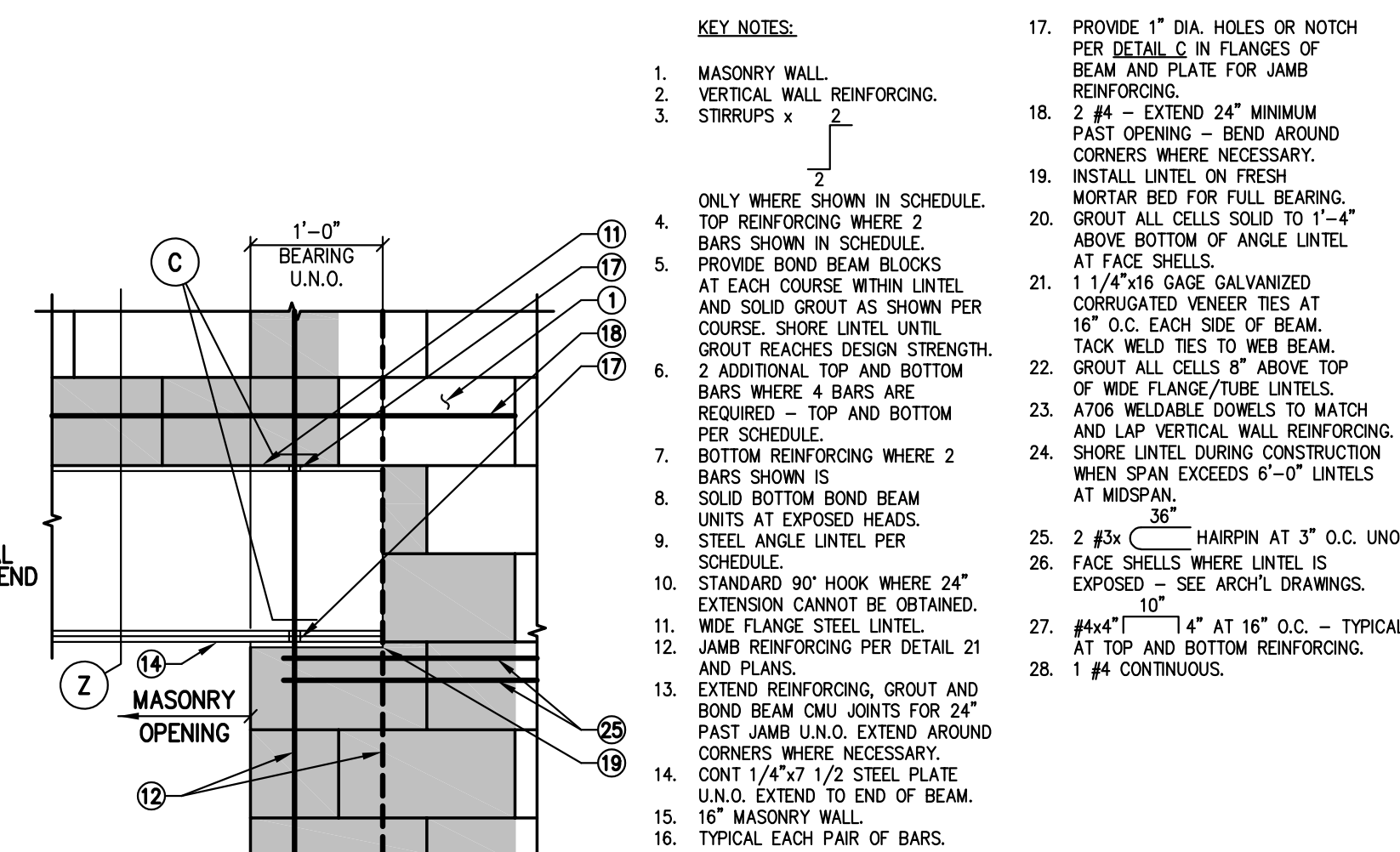
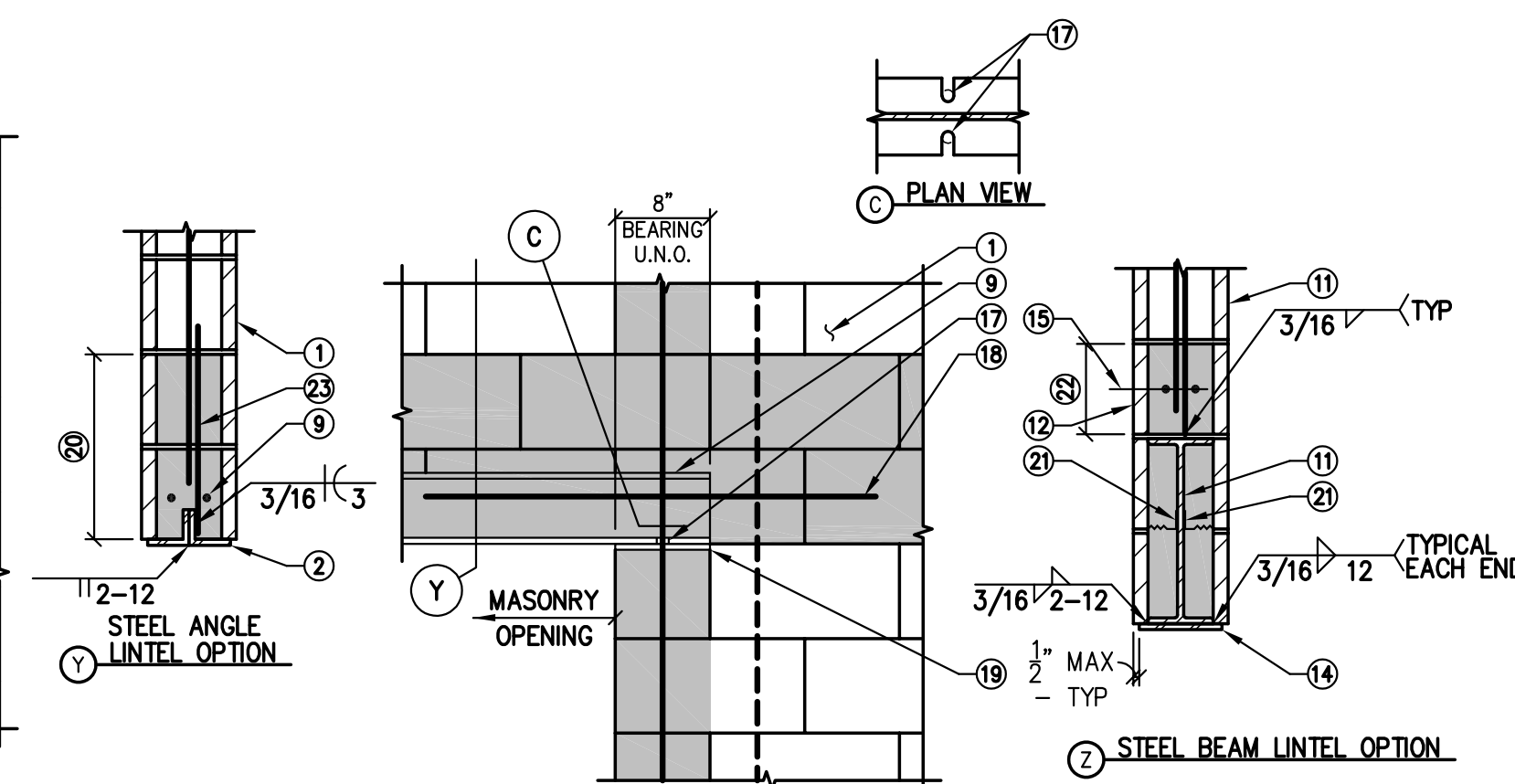
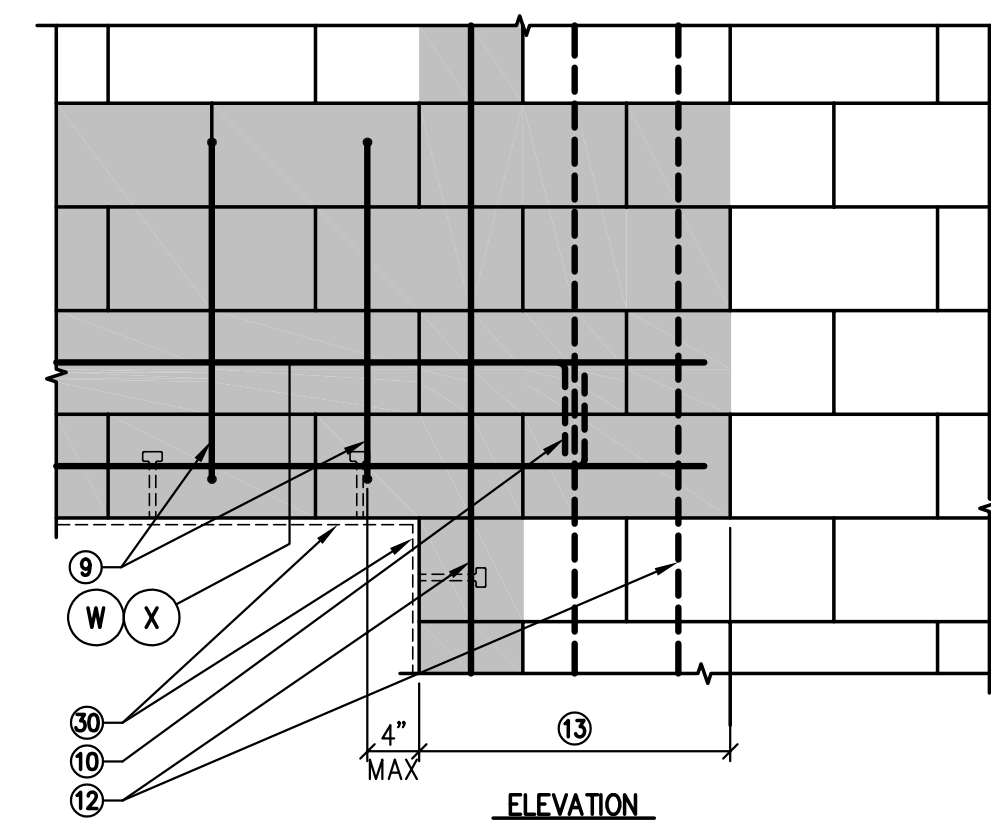
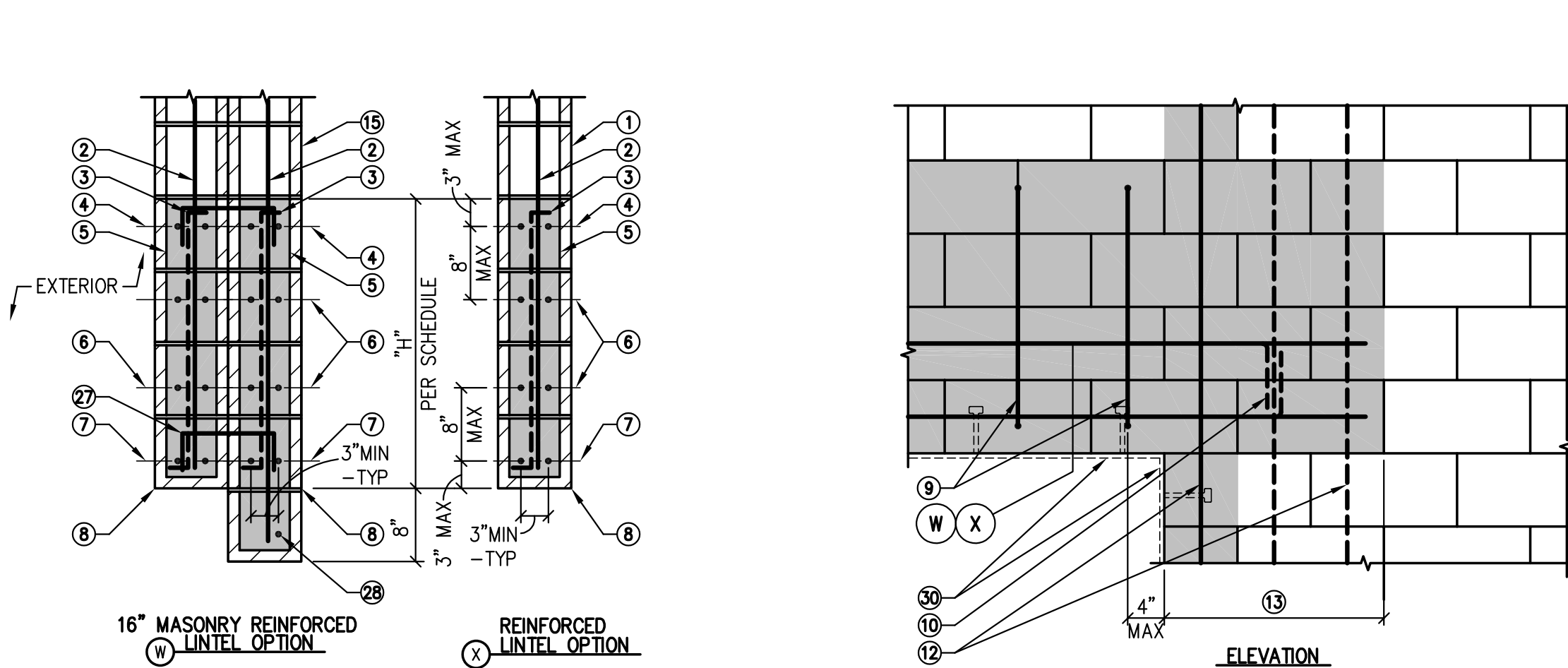
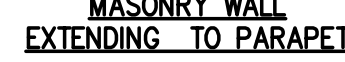
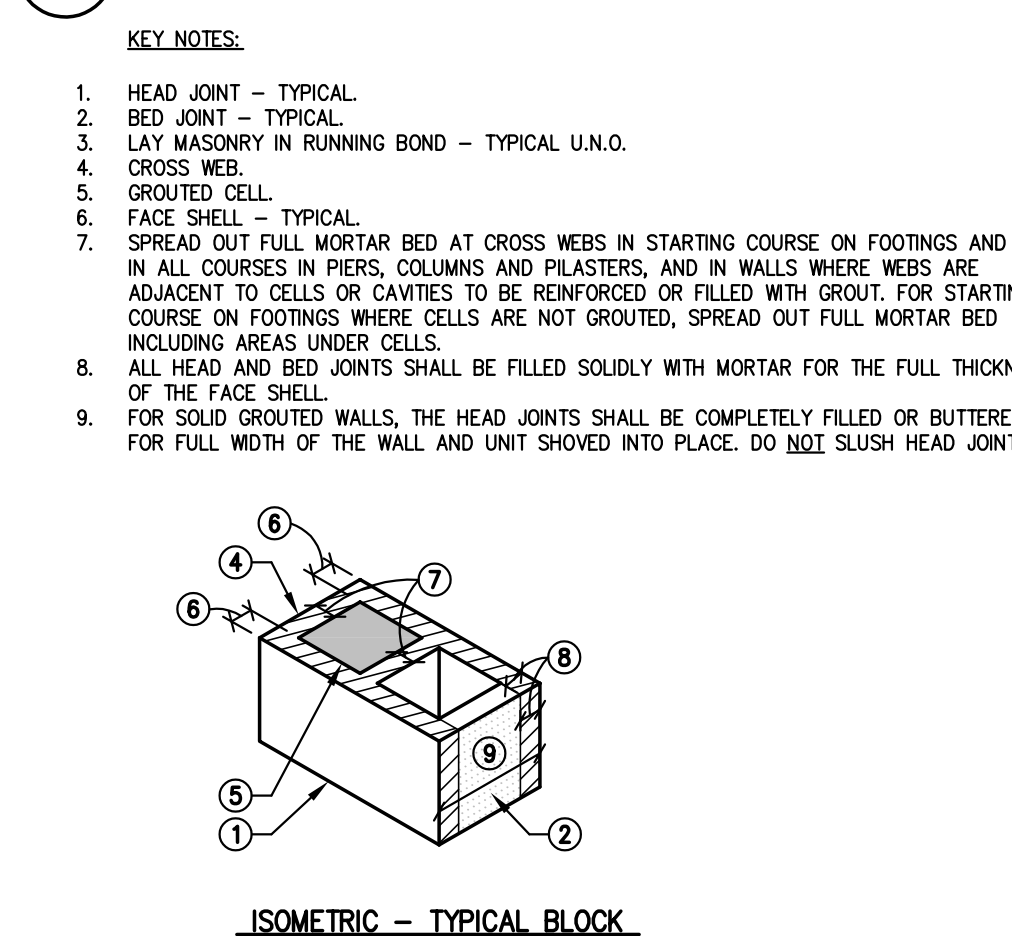
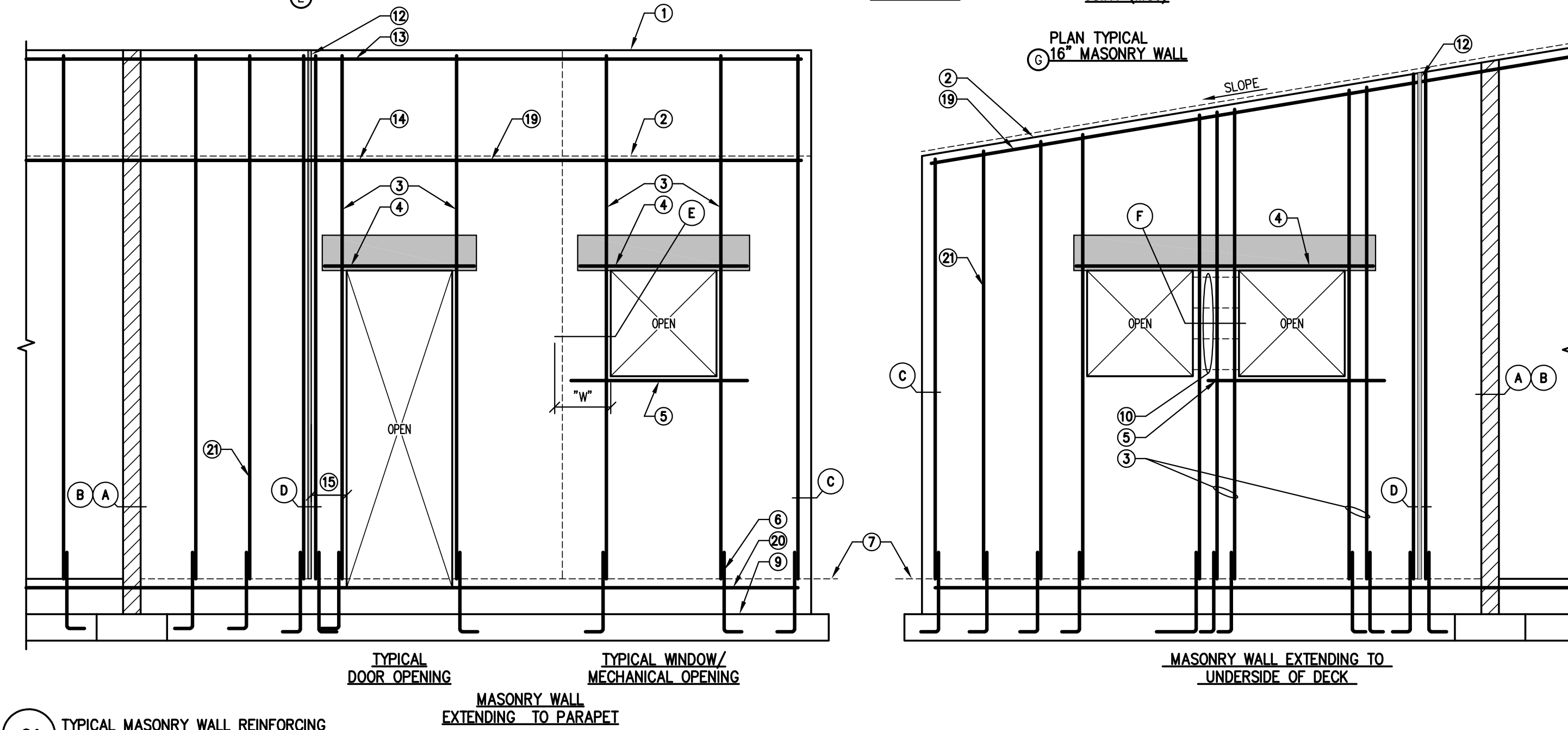
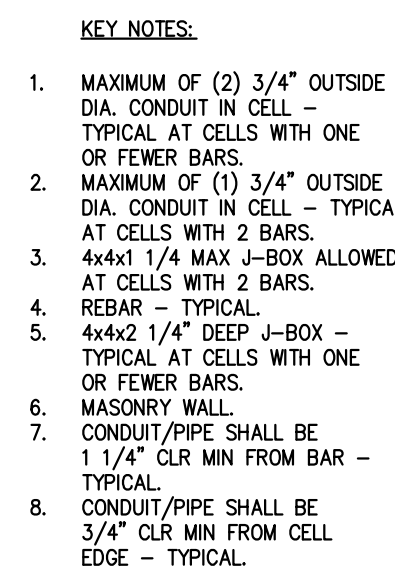
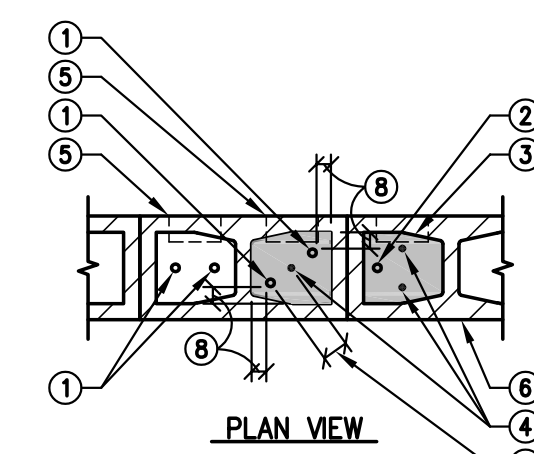
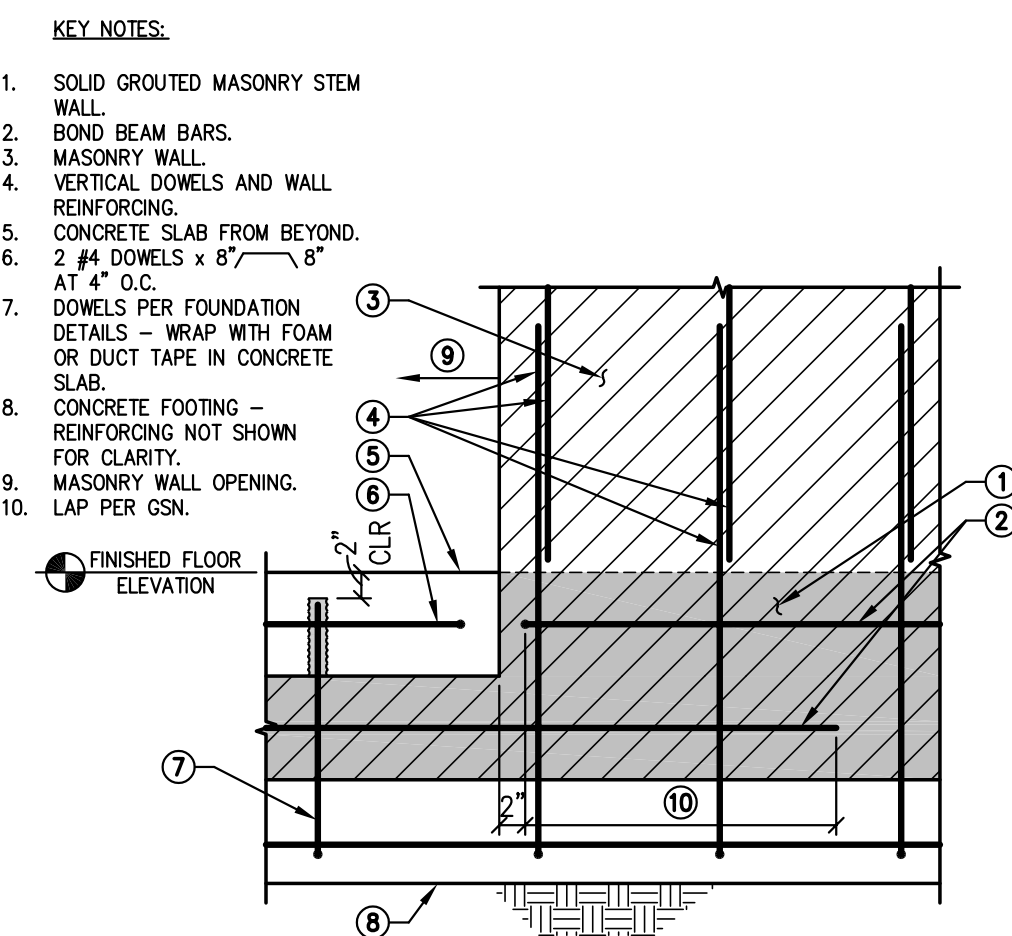
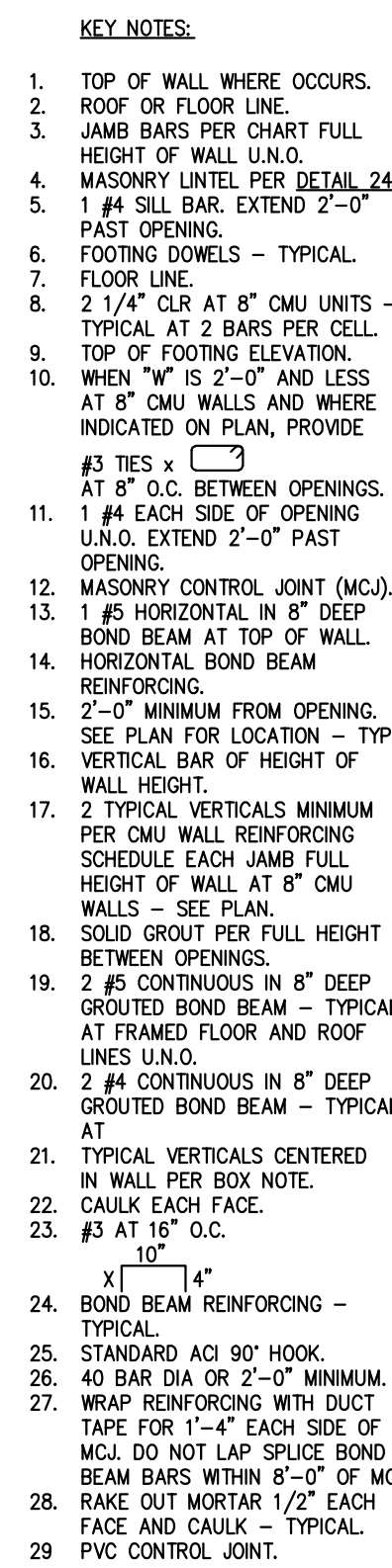
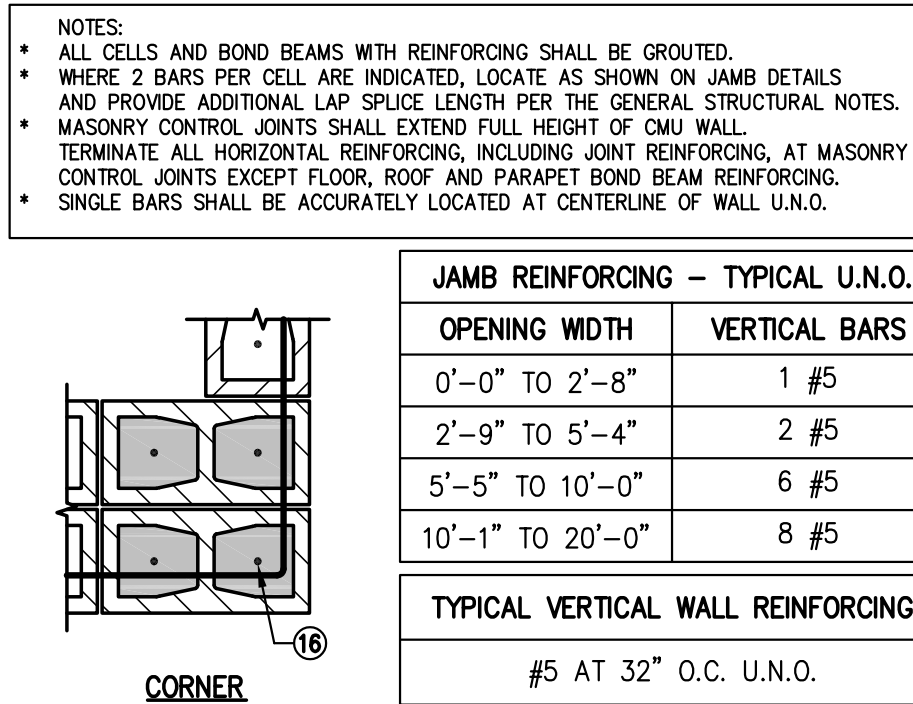
S1.3

NOTE:
SEE ARCH'L ROOF PLAN AND ROOF DETAILS FOR
FIRE BLOCKING LAYOUT AND LOCATIONS WITHIN ROOF
TRUSS SYSTEM. PROVIDE 2x BLOCKING PANELS PER
DETAIL 63 AT EACH FIRE BLOCKING LOCATION WITH
GYPSBOARD/PLYWOOD AS REQUIRED ON ARCH'L
DRAWINGS.

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Rev	Date	By	Description



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Buckeye, AZ 85396

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Date _____

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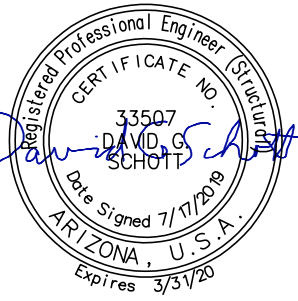
Project Number

318009

Sheet Number
TYPICAL DETAILS
21-40

S2.2

Seal



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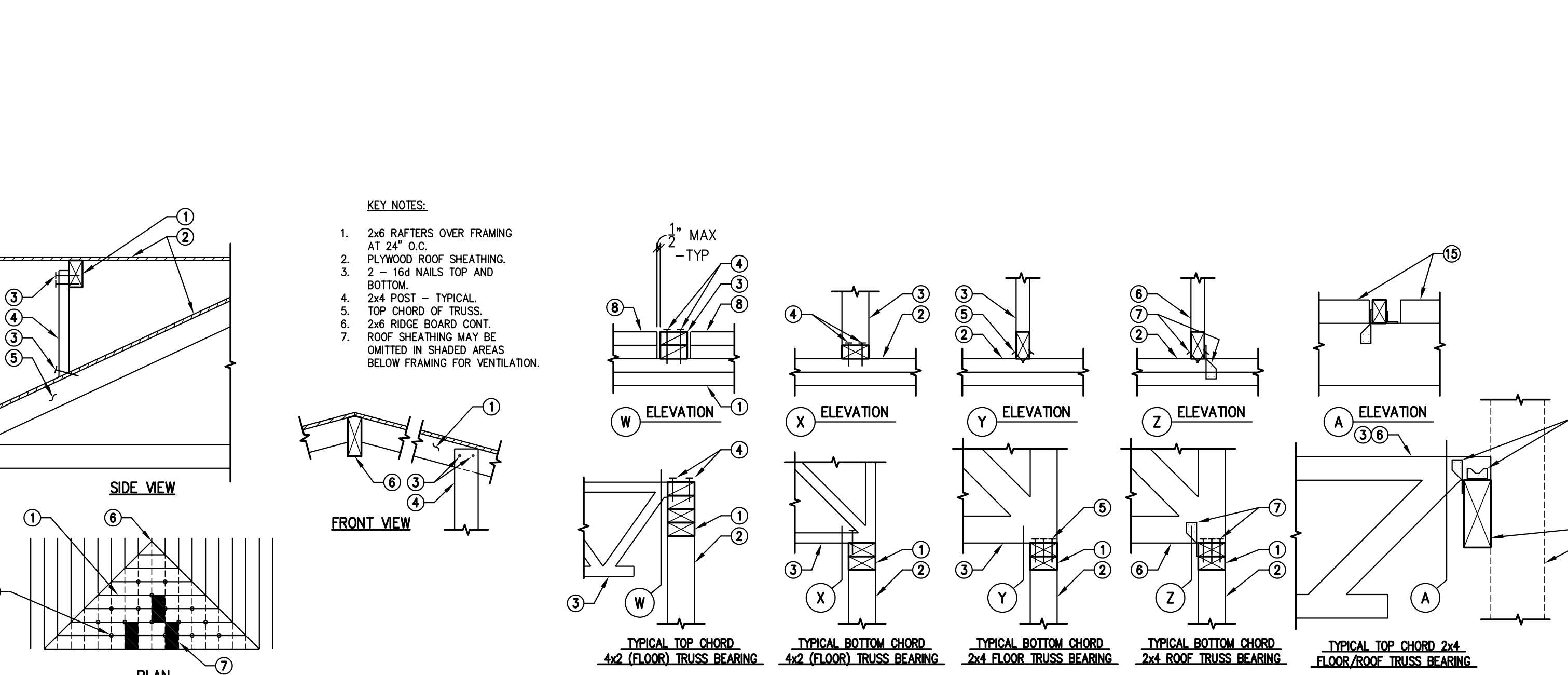
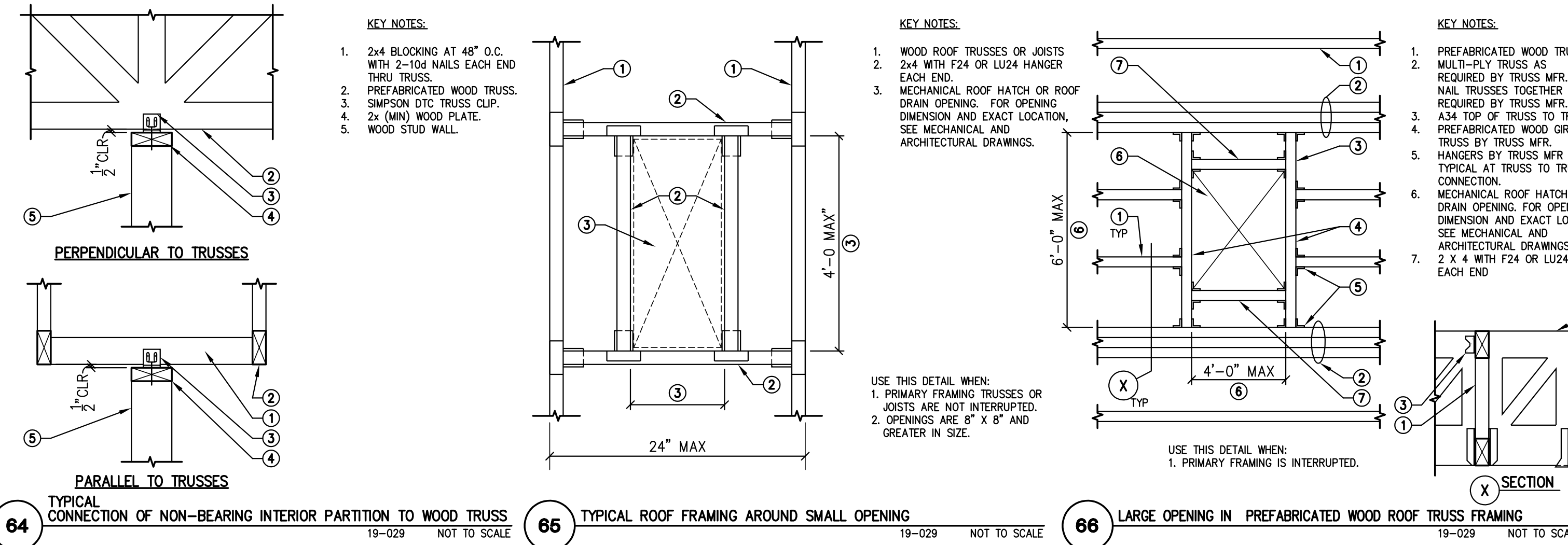
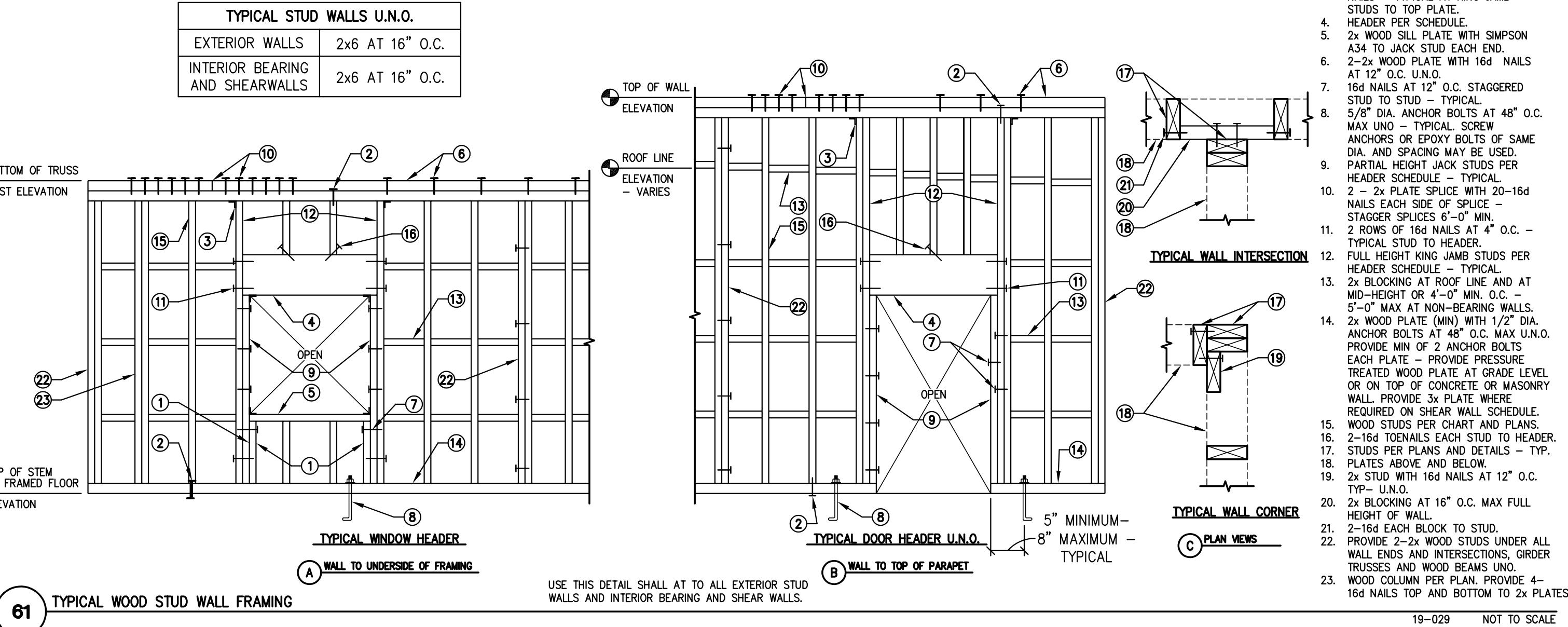
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318009

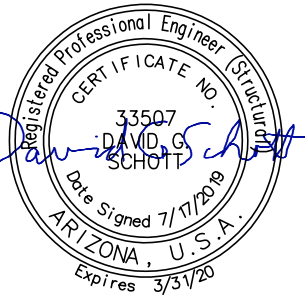
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TYPICAL DETAILS
61-80

S2.4

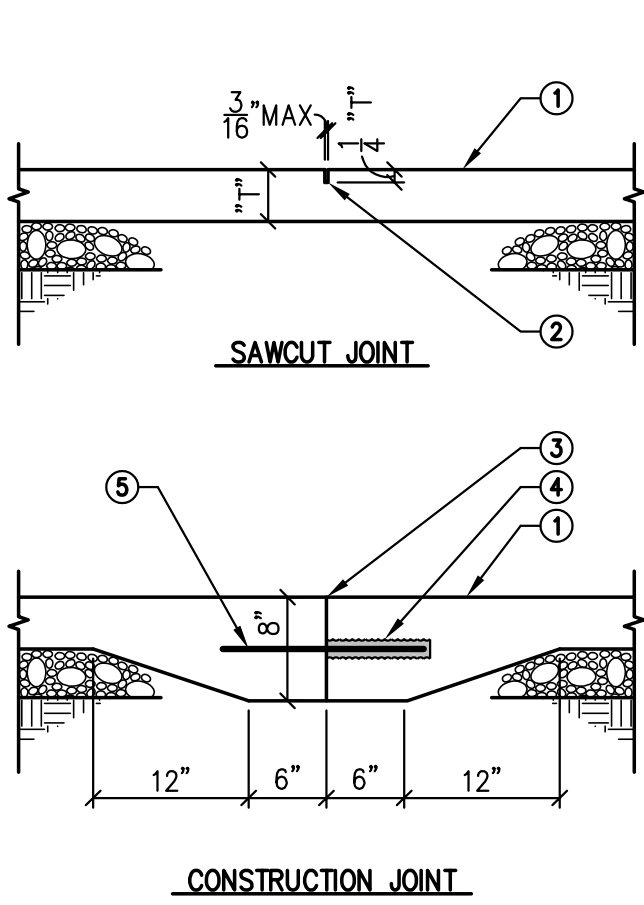


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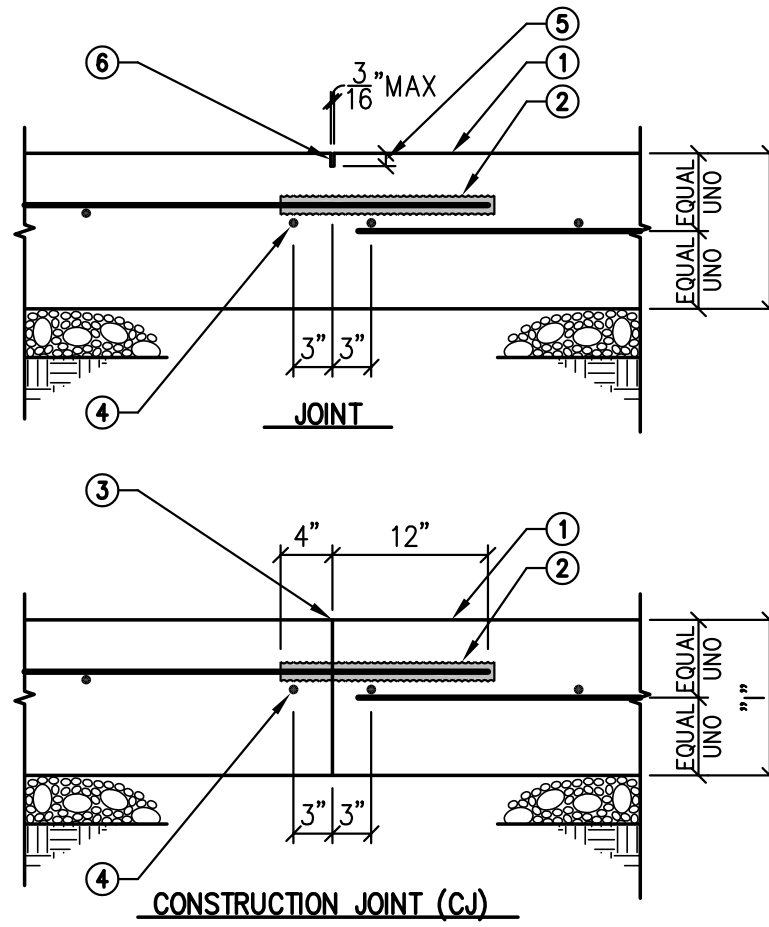
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KEY NOTES:

1. CONCRETE SLAB ON GRADE. SAWCUT - 1/8" WIDE CUT. SHALL BE MADE TO PREVENT SHRINKAGE CRACKING, BUT NOT TO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING.
2. SEE ARCHITECTURAL DRAWINGS FOR JOINT TREATMENT.
3. PLASTIC SHEATHING OVER ONE END OF SMOOTH DOWEL TAPE TO PREVENT CONCRETE FROM BINDING WITH SMOOTH DOWEL.
4. 1/2" DIA. X1'-4" SMOOTH DOWELS AT 12" O.C. DOWELS SHALL BE BOTH LEVEL AND PERPENDICULAR TO JOINT.

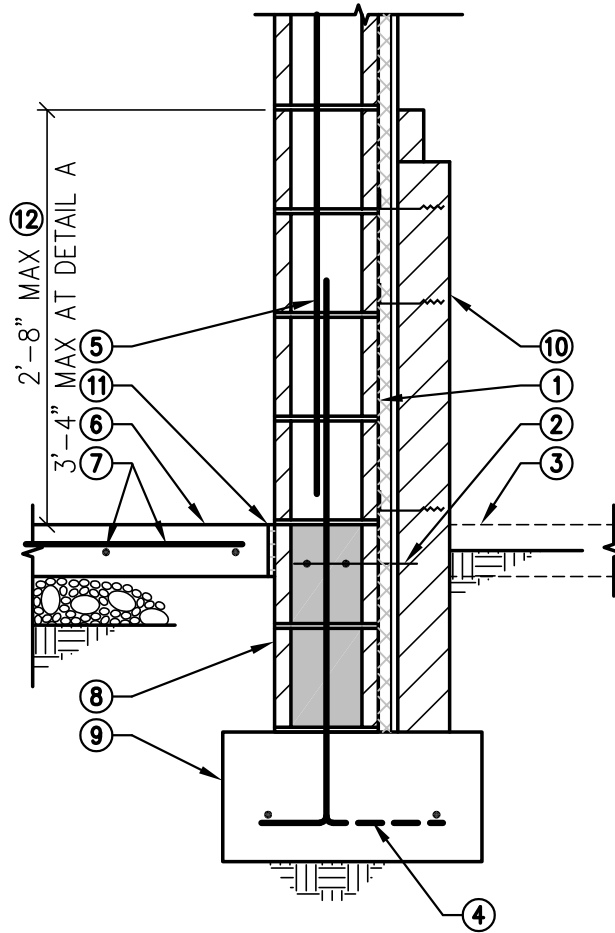
CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING PLACEMENT UNLESS SPECIFICALLY NOTED ON THE PLANS.



KEY NOTES:

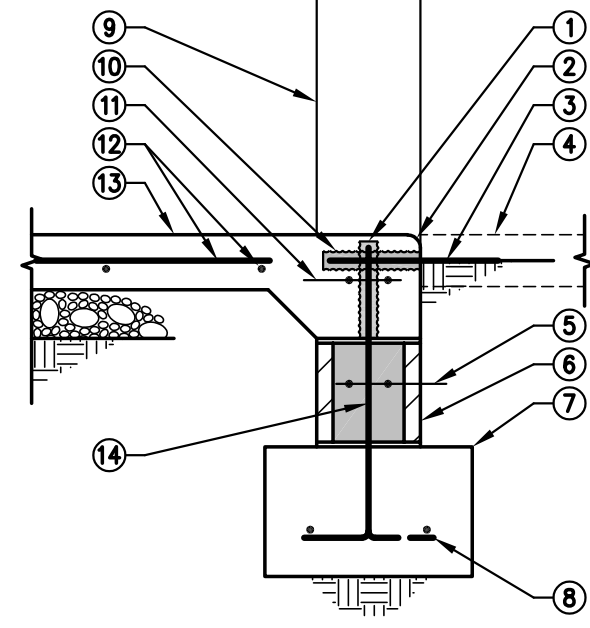
1. CONCRETE SLAB ON GRADE. WRAP WITH DUCT TAPE AS INDICATED - TYPICAL.
2. FORMED EDGE.
3. REINFORCING PER PLAN - REINFORCING PRIOR TO CONCRETE PLACEMENT - SEE PLAN VIEW FOR ADDITIONAL INFORMATION.
4. 1/4" OR 1/4" - WHICHEVER IS GREATER REINFORCING PER PLAN - CHAIR PRIOR TO CONCRETE PLACEMENT - SEE PLAN VIEW FOR ADDITIONAL INFORMATION.
5. SAWCUT SLAB AFTER CONCRETE IS HARD ENOUGH TO AVOID SPALLING AND DAMAGE BUT IN A TIMELY MANNER SO AS TO PREVENT RANDOM CRACKING FOR JOINT FILLER. SEE ARCH'L DRAWINGS AND SPECIFICATIONS.
6. CONSTRUCTION OR SAWCUT JOINT - TYPICAL.
7. SLAB REINFORCING - TYPICAL.
8. EXTEND AND WRAP REINFORCING WITH DUCT TAPE TO SMOOTH REBAR DEFORMATIONS AS SHOWN.

PRIOR TO INSPECTION, SAWCUT/CONSTRUCTION JOINT LINES TO BE MARKED AT TOP OF SLAB FORM BOARDS TO VERIFY JOINT LINES MATCH REINFORCING BREAKS. AT CONTRACTORS' OPTION, USE DIAMOND DOWEL SYSTEM AT CONSTRUCTION JOINTS. WRAP BARS WITH TAPE TO SMOOTH REBAR.



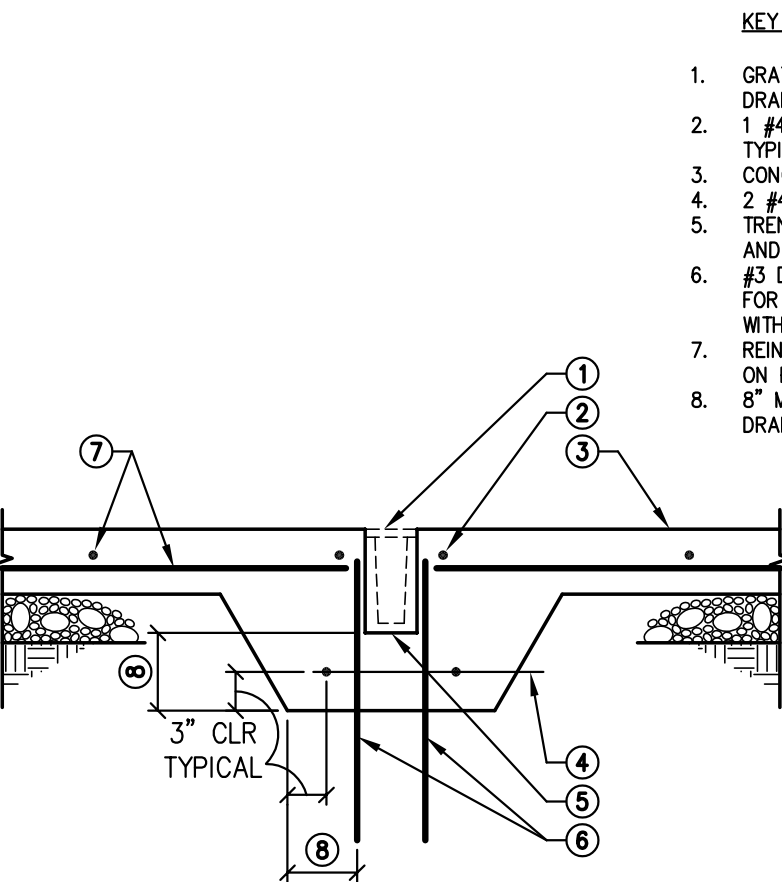
KEY NOTES:

1. MASONRY WALL. TOOLED EDGE.
2. 5/8" DIA. X1'-4" SMOOTH DOWELS AT 12" O.C. - USE FORMS TO SET ALL DOWELS TO MAINTAIN ACCURATE POSITIONS (BOTH LEVEL AND PERPENDICULAR TO JOINT).
3. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
4. ALTERNATE BENDS.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING FOR LAP. SEE PER G.S.N.
6. CONCRETE SLAB ON GRADE.
7. REINFORCING WHERE SHOWN ON PLAN.
8. MASONRY STEM WALL - SOLID GROUT ALL CELLS.
9. CONCRETE FOOTING.
10. 4" MASONRY VENEER WITH VENEER TIES PER DETAIL 25.
11. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
12. SEE ARCH'L DRAWINGS.



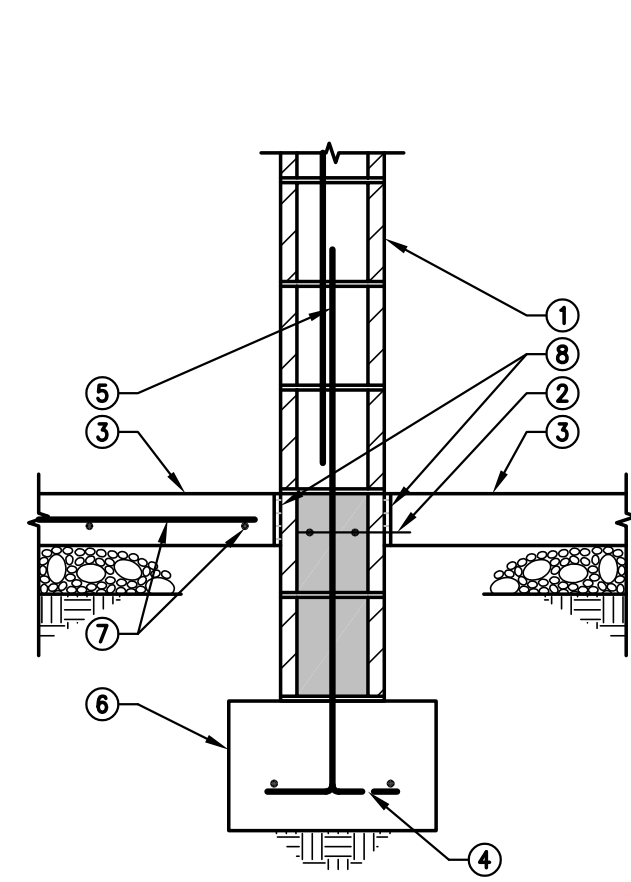
KEY NOTES:

1. WRAP DOWELS WITH DUCT TAPE.
2. TOOLED EDGE.
3. 5/8" DIA. X1'-4" SMOOTH DOWELS AT 12" O.C. - USE FORMS TO SET ALL DOWELS TO MAINTAIN ACCURATE POSITIONS (BOTH LEVEL AND PERPENDICULAR TO JOINT).
4. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
5. HORIZONTAL REINFORCING PERPENDICULAR TO JOINT.
6. CMU STEM WALL - SOLID GROUT ALL CELLS.
7. CONCRETE FOOTING.
8. ALTERNATE BENDS.
9. WALL BEYOND.
10. DUCT TAPE OR PLASTIC SHEATHING OVER ONE END OF DOWEL TO PREVENT BINDING (EITHER END ACCEPTABLE) - TYPICAL.
11. REINFORCING WHERE SHOWN ON PLAN.
12. CONCRETE SLAB.
13. CONCRETE SLAB.
14. #4 DOWELS AT 24" O.C. ACROSS OPENING.



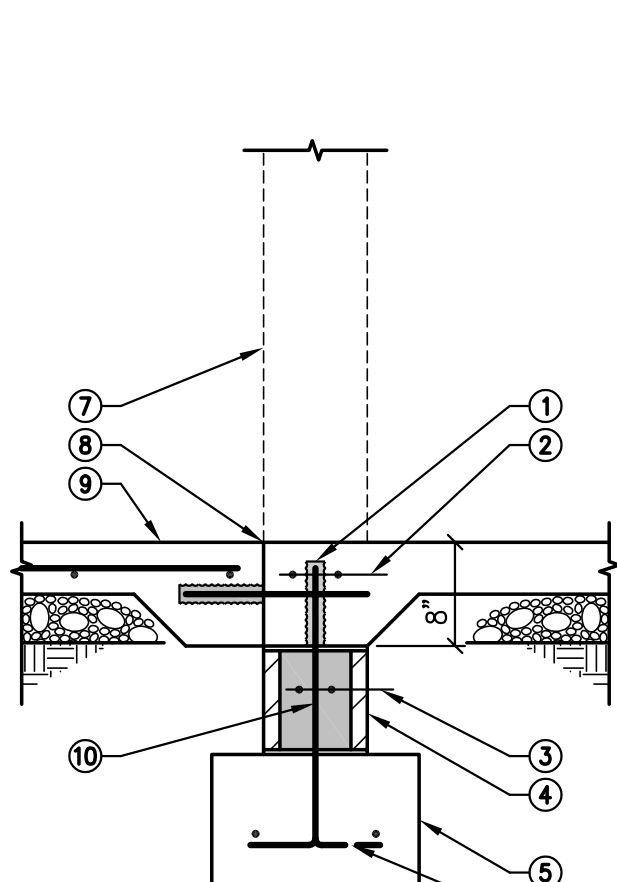
KEY NOTES:

1. GRATE AND CONNECTION TO DRAIN PER MFR.
2. 1 #4 CONT. ALL AROUND - TYPICAL.
3. CONCRETE SLAB - TYPICAL.
4. 2 #4 CONTINUOUS.
5. TRENCH DRAIN - SEE ARCH'L AND PLUMBING DRAWINGS.
6. #3 DOWEL (MIN) AS REQUIRED FOR SETTING. WRAP DOWELS WITH DUCT TAPE FULL LENGTH. REINFORCING WHERE SHOWN ON PLAN.
7. 8" MIN. - COORDINATE WITH DRAIN MFR - TYPICAL.



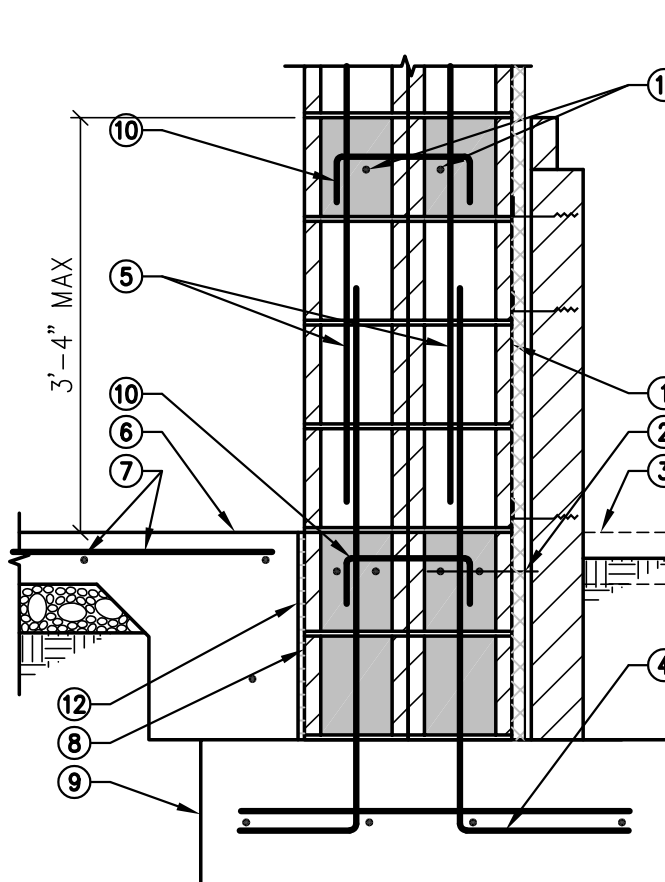
KEY NOTES:

1. MASONRY WALL.
2. 2 #4 CONTINUOUS.
3. CONCRETE SLAB ON GRADE.
4. ALTERNATE BENDS.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING FOR LAP. SEE PER G.S.N.
6. CONCRETE FOOTING.
7. REINFORCING WHERE SHOWN ON PLAN.
8. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.



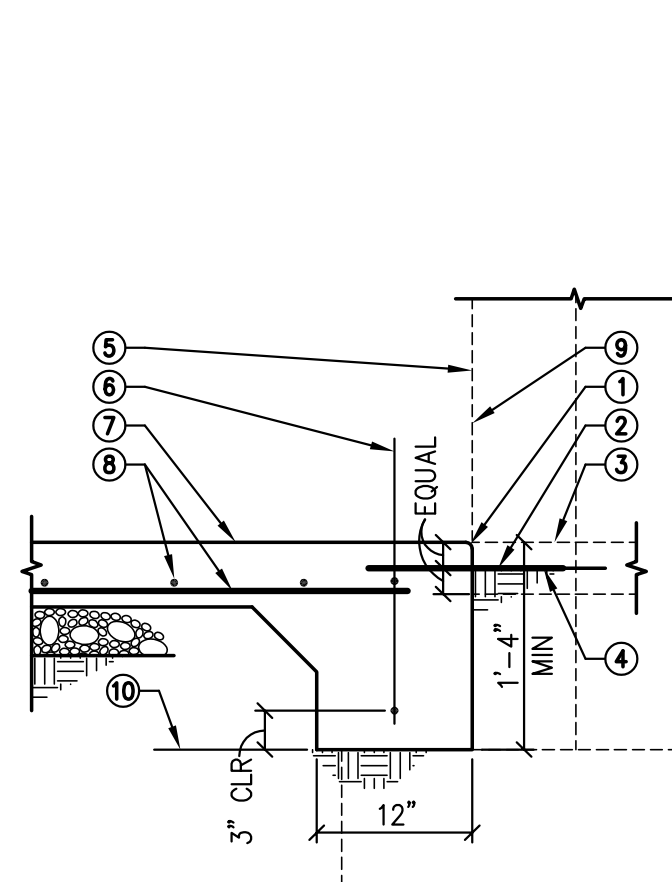
KEY NOTES:

1. WRAP DOWELS WITH DUCT TAPE.
2. 2 #4 CONTINUOUS - TYP EACH WYTHE.
3. HORIZONTAL REINFORCING CONTINUOUS FROM BEYOND - TYPICAL - SEE DETAIL 22.
4. CMU STEM WALL - SOLID GROUT ALL CELLS.
5. CONCRETE FOOTING.
6. ALTERNATE BENDS.
7. WALL BEYOND.
8. CONCRETE C.J. - SEE DETAILS 101 AND 102.
9. CONCRETE SLAB.
10. #4 DOWELS AT 24" O.C. ACROSS OPENING.



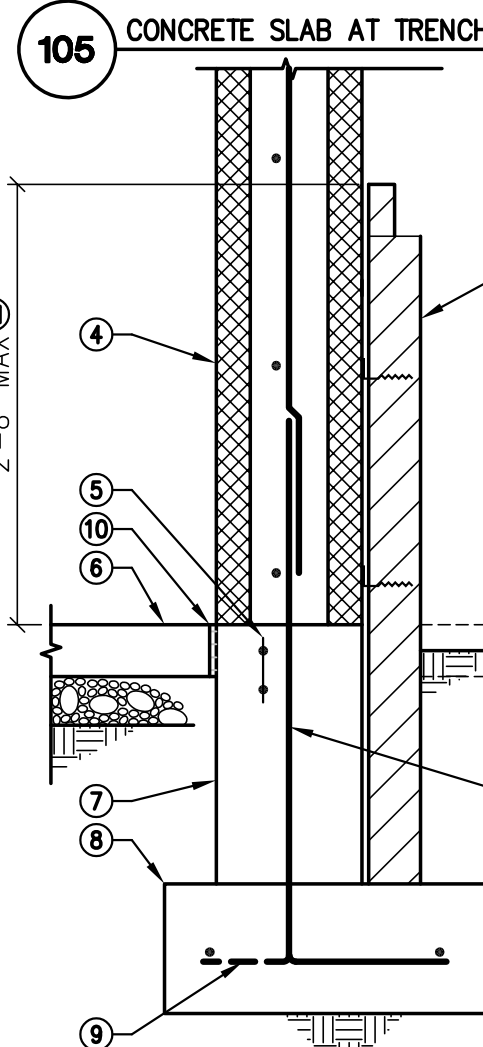
KEY NOTES:

1. 16" MASONRY WALL.
2. 2 #4 CONTINUOUS - TYP EACH WYTHE.
3. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
4. BOLLARDS NOT SHOWN FOR CLARITY. SEE DETAIL 10 FOR EXTENDED FOOTING WHERE BOLLARD IS LOCATED BYE BUILDING FOOTING.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING FOR LAP. SEE PER G.S.N.
6. CONCRETE SLAB ON GRADE.
7. REINFORCING WHERE SHOWN ON PLAN.
8. MASONRY STEM WALL - SOLID GROUT ALL CELLS.
9. CONCRETE FOOTING.
10. #4 x 4" TYPICAL 14" AT 16" O.C. - TYP EACH HORIZONTAL BOND BEAM.
11. (1) #4 CONTINUOUS IN 8" DEEP BOND BEAM AT 4'-0" O.C. VERTICALLY - TYP EACH WYTHE.
12. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
13. 4" MASONRY VENEER WITH VENEER TIES PER DETAIL 25.
14. SEE ARCH'L DRAWINGS.



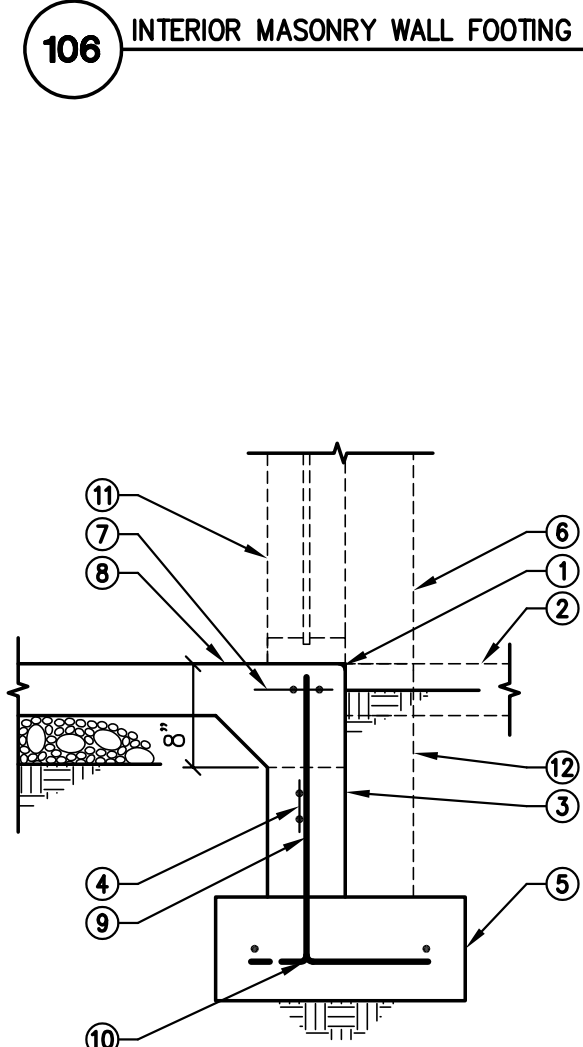
KEY NOTES:

1. TOOLED EDGE.
2. 5/8" DIA. X1'-4" LONG SMOOTH DOWEL AT 12" O.C. CENTERED ON JOINT WHERE SHOWN ON PLAN. USE FORMS TO SET ALL DOWELS TO MAINTAIN ACCURATE POSITIONING BOTH LEVEL AND PERPENDICULAR TO JOINT.
3. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
4. WRAP EXTERIOR END OF DOWEL WITH DUCT TAPE TO PREVENT BINDING.
5. WINDOW WALL PER ARCH'L DRAWINGS WHERE OCCURS.
6. 1 #4 CONT. TOP AND BOTTOM.
7. CONCRETE SLAB.
8. REINFORCING WHERE OCCURS.
9. INSIDE FACE OF MASONRY WALL BEYOND.
10. MATCH TOP OF FOOTING BEYOND.
11. CONCRETE FOOTING BEYOND.



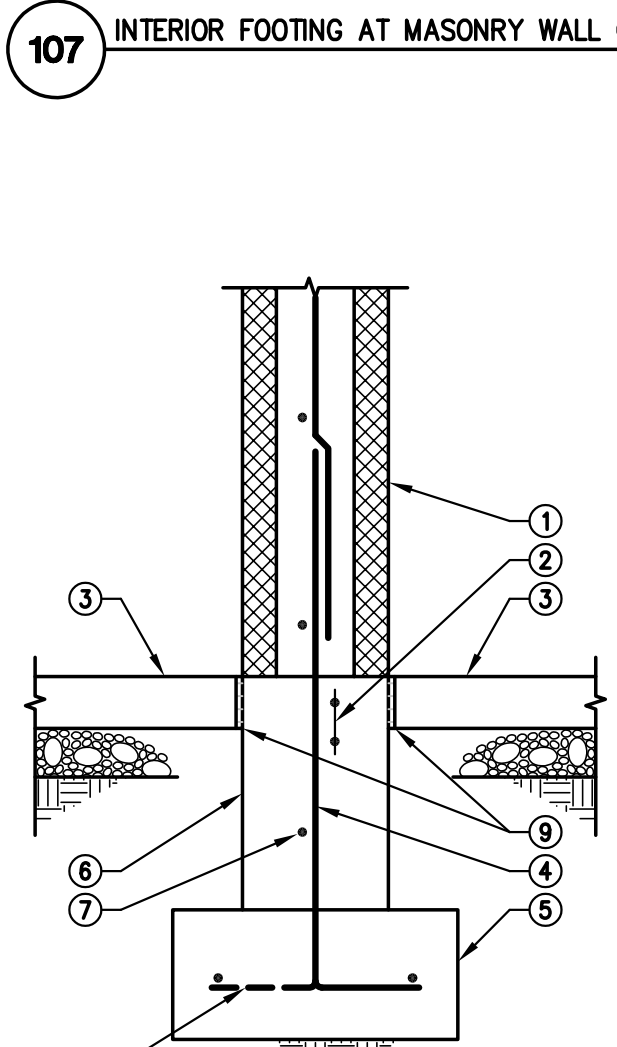
KEY NOTES:

1. 4" MASONRY VENEER WITH VENEER TIES PER DETAIL 25.
2. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
3. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING - FOR LAP, SEE GENERAL STRUCTURAL NOTES.
4. ICF WALL.
5. 2 #4 CONTINUOUS.
6. CONCRETE SLAB.
7. CONCRETE STEM WALL TO MATCH ICF WALL WIDTH.
8. CONCRETE FOOTING.
9. ALTERNATE BENDS.
10. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
11. SEE ARCH'L DRAWINGS.



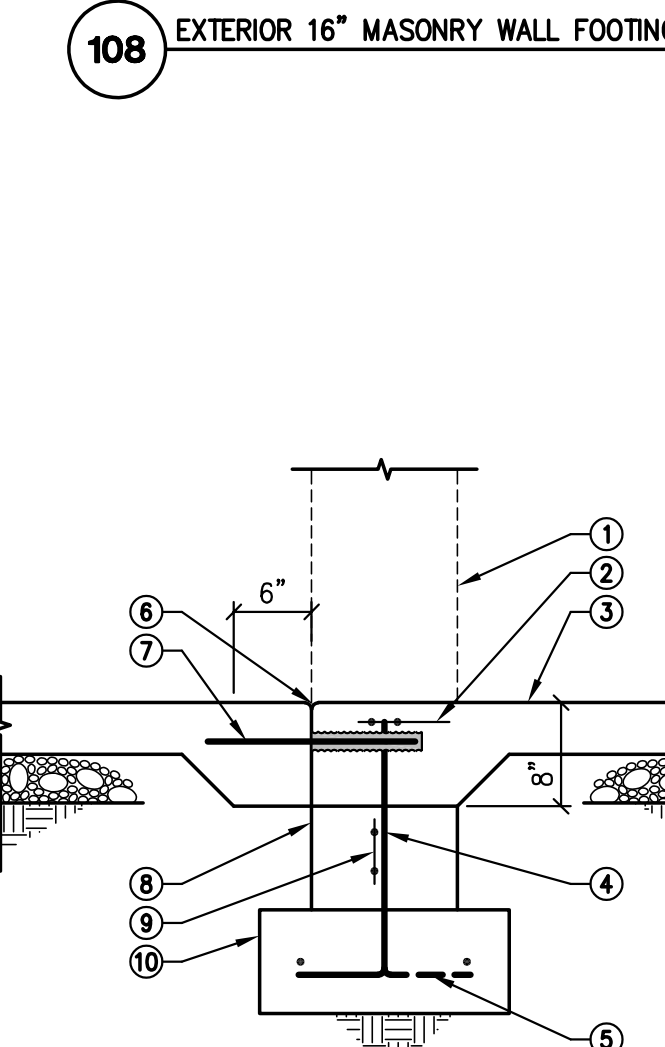
KEY NOTES:

1. TOOLED EDGE.
2. FINISHED GRADE OR CONCRETE SLAB AS OCCURS.
3. 6" MIN CONCRETE STEM WALL FROM BEYOND.
4. REINFORCING CONTINUOUS FROM BEYOND - STEP PER DETAIL 43 AT OPENING.
5. CONCRETE FOOTING.
6. WALL BEYOND.
7. 2 #4 x 12" 12" FULL WIDTH OF OPENING.
8. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
9. #4 DOWELS AT 15" O.C. ACROSS OPENING.
10. DOOR/WINDOW PER ARCH'L DRAWINGS.
11. STEM WALL BEYOND.



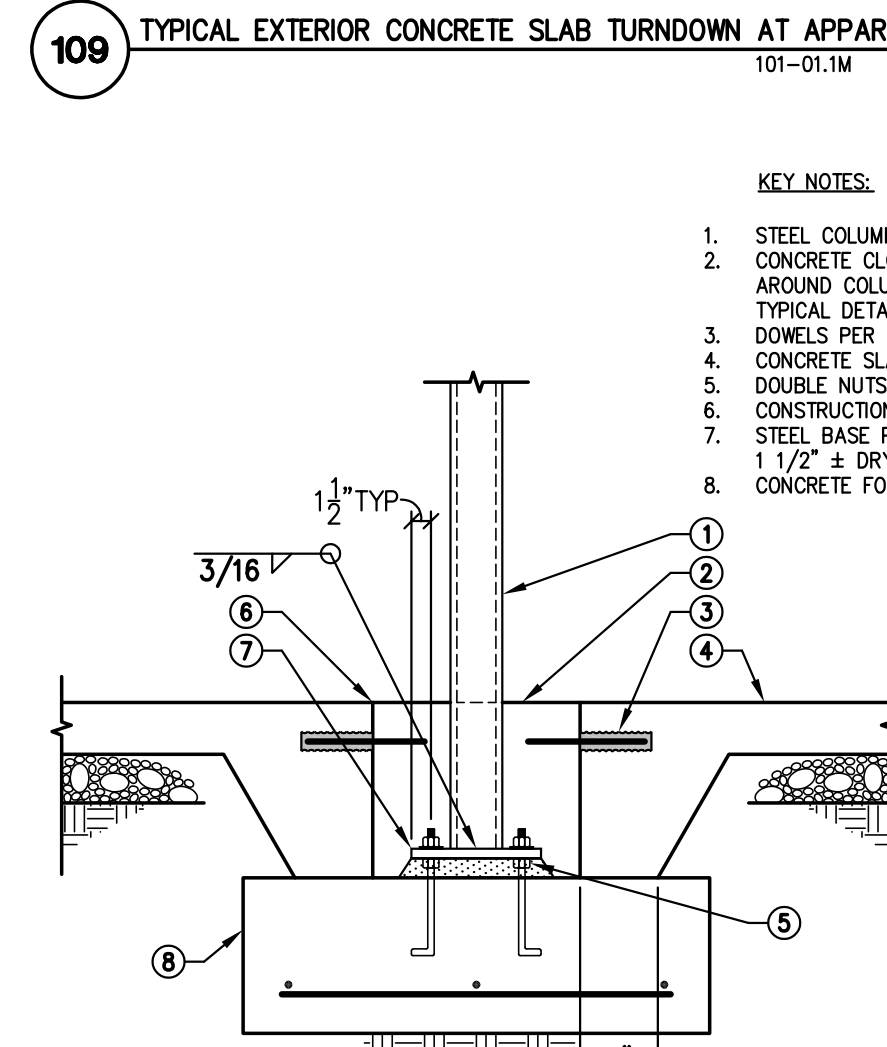
KEY NOTES:

1. ICF WALL.
2. 2 #4 CONTINUOUS.
3. CONCRETE SLAB.
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING - FOR LAP, SEE GENERAL STRUCTURAL NOTES.
5. CONCRETE FOOTING.
6. CONCRETE STEM WALL TO MATCH ICF WALL WIDTH.
7. 2 #4 HORIZONTAL AT 15" O.C.
8. ALTERNATE BENDS.
9. 1/2" PREFORMED JOINT FILLER - SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.



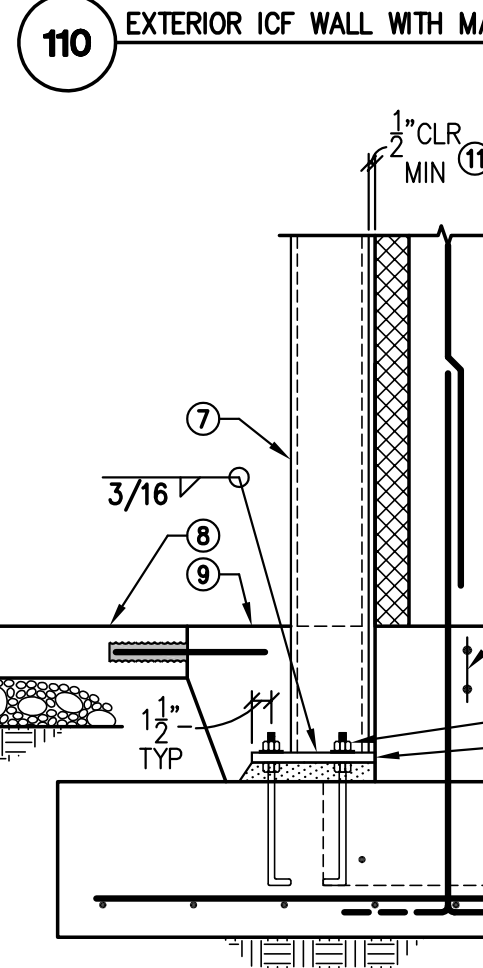
KEY NOTES:

1. WOOD STUD WALL BEYOND.
2. 2 #4 x 12" 12" FULL WIDTH OF OPENING.
3. CONCRETE SLAB.
4. #4 DOWELS AT 15" O.C. ACROSS OPENING.
5. ALTERNATE BENDS.
6. TOOLED EDGE.
7. 5/8" DIA. X1'-4" LONG SMOOTH DOWEL AT 12" O.C. CENTERED IN JOINT. USE FORMS TO SET ALL DOWELS TO MAINTAIN ACCURATE POSITIONING BOTH LEVEL AND PERPENDICULAR TO JOINT.
8. CONCRETE STEM WALL BEYOND.
9. REINFORCING CONTINUOUS FROM BEYOND - STEP PER DETAIL 43 AT OPENING.
10. CONCRETE FOOTING.



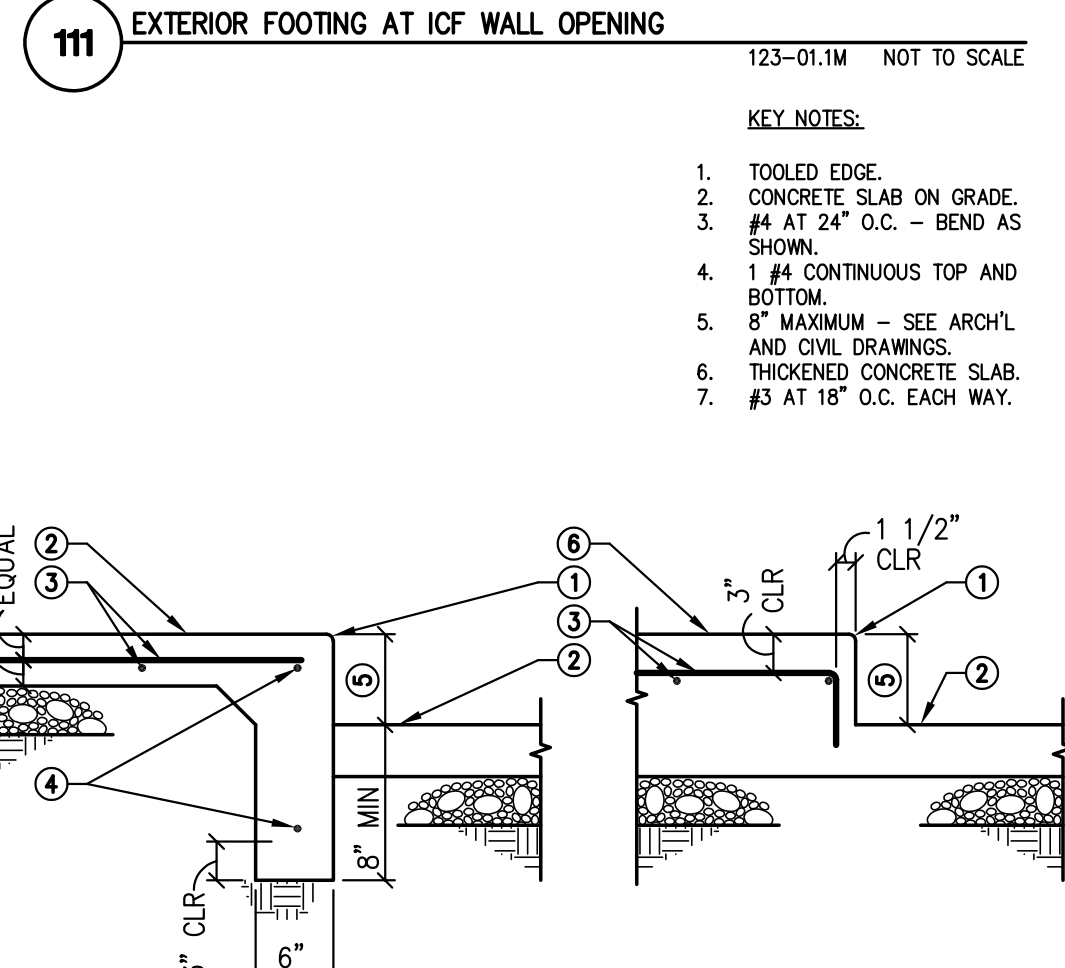
KEY NOTES:

1. STEEL COLUMN.
2. CONCRETE CLOSURE POUR AROUND COLUMN PER TYPICAL DETAIL.
3. DOWELS PER TYPICAL DETAIL.
4. CONCRETE SLAB.
5. DOUBLE NUTS.
6. CONSTRUCTION JOINT.
7. STEEL BASE PLATE OVER 1/2" ± DRYPACK.
8. CONCRETE FOOTING.



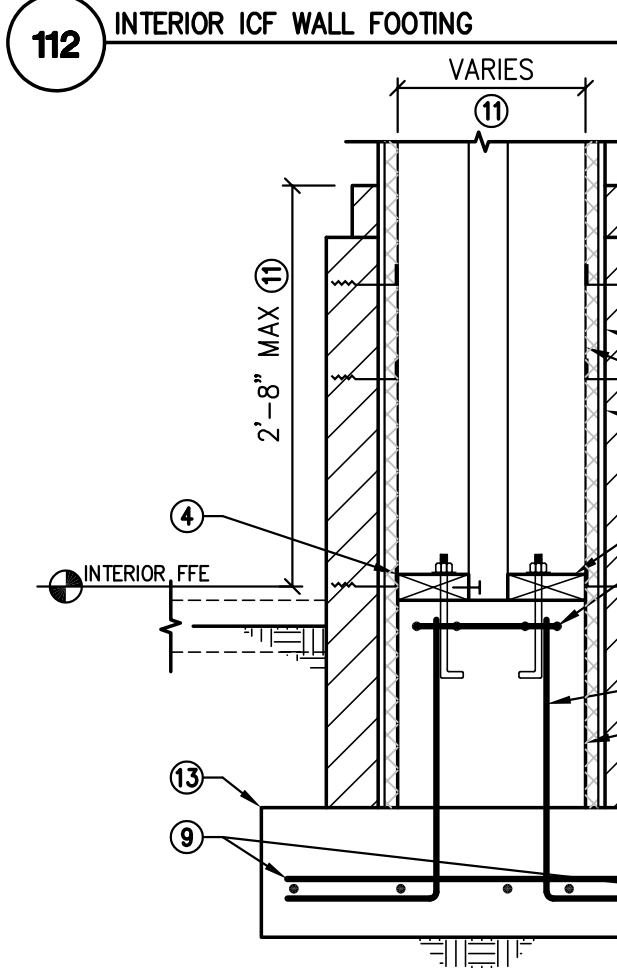
KEY NOTES:

1. 3" MIN CONCRETE COVER AROUND ALL STEEL BELOW GRADE.
2. 2 #4 CONTINUOUS.
3. ANCHOR BOLTS WITH DOUBLE NUTS.
4. STEEL BASEPLATE OVER 1 1/2" ± DRYPACK - OFFSET AS REQUIRED.
5. FOOTING BEYOND - EXTEND FOOTING REINFORCING INTO PAD FOOTING.
6. CONCRETE FOOTING.
7. STEEL TUBE COLUMN.
8. CLOSURE POUR.
9. ICF WALL WITH CONCRETE STEM WALL FROM BEYOND. SEE ARCH'L DRAWINGS.
10. 3/16" MIN.
11. 1/2" TYP.



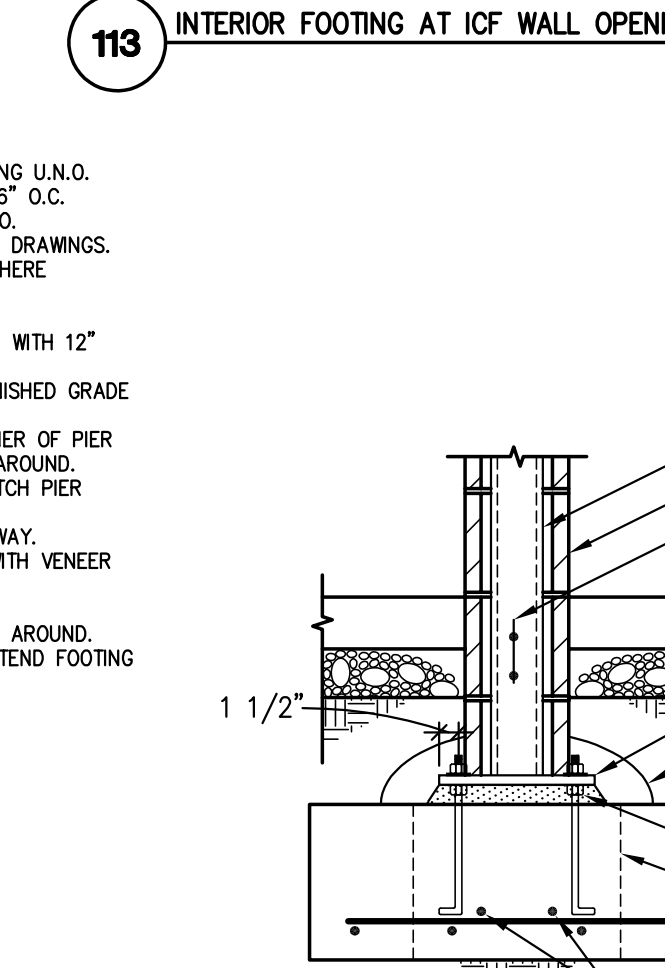
KEY NOTES:

1. TOOLED EDGE.
2. CONCRETE SLAB ON GRADE.
3. #4 AT 24" O.C. - BEND AS SHOWN.
4. 1 #4 CONTINUOUS TOP AND BOTTOM.
5. 8" MAXIMUM - SEE ARCH'L AND CIVIL DRAWINGS.
6. THICKENED CONCRETE SLAB.
7. #3 AT 18" O.C. EACH WAY.



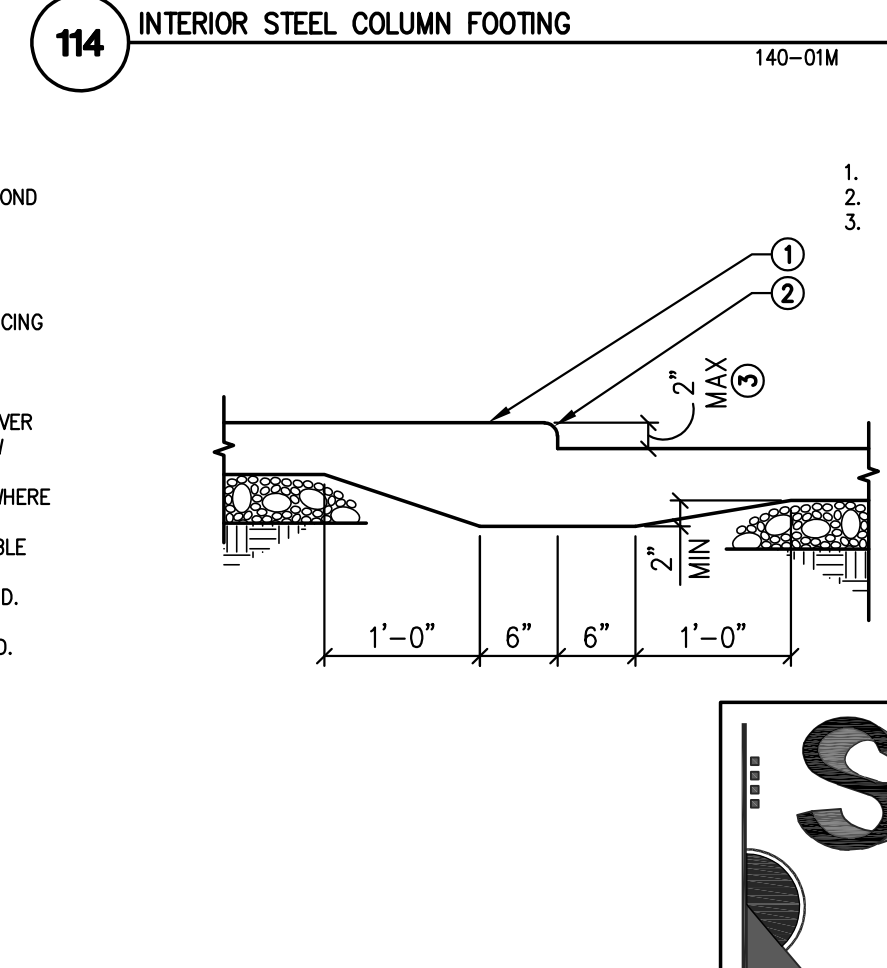
KEY NOTES:

1. SW6 PLYWOOD SHEATHING U.N.O.
2. 2x6 WOOD STUDS AT 16" O.C. - TYPICAL SIDES U.N.O.
3. SHEATHING PER ARCH'L DRAWINGS. PLYWOOD SHEATHING WHERE INDICATED.
4. 2x WOOD PLATE.
5. 1 #4 ALL AROUND PIER WITH 12" LAP AT SPICES.
6. CONCRETE SLAB OR FINISHED GRADE ON PLANS.
7. #4 DOWELS EACH CORNER OF PIER AND AT 24" O.C. ALL AROUND.
8. CONCRETE PIER TO MATCH PIER DIMENSIONS.
9. #5 AT 12" O.C. EACH WAY.
10. 4" MASONRY VENEER WITH VENEER TIES PER DETAIL 25.
11. SEE ARCH'L DRAWINGS.
12. 4" MIN. - TYPICAL ALL AROUND.
13. CONCRETE FOOTING. EXTEND FOOTING AS SHOWN.



KEY NOTES:

1. STEEL COLUMN.
2. MASONRY WALL FROM BEYOND DO NOT GROUT CELLS WITH COLUMN.
3. 2 #4 DOWEL X 30" EACH SIDE OF COLUMN TO LAP WITH HORIZONTAL REINFORCING FROM BEYOND - TYPICAL BASE PLATE WITH 1 1/2" DRYPACK.
4. 3" MINIMUM CONCRETE COVER AROUND ALL STEEL BELOW GRADE.
5. ANCHOR BOLTS WITH DOUBLE NUTS.
6. CONCRETE FOOTING BEYOND.
7. FOOTING REINFORCING CONTINUOUS FROM BEYOND.



KEY NOTES:

1. CONCRETE SLAB ON GRADE.
2. TOOLED EDGE.
3. VERIFY WITH ARCHITECTURAL DRAWINGS.

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date

07-17-19

Project Number

318009

Sheet Number

FOUNDATION DETAILS

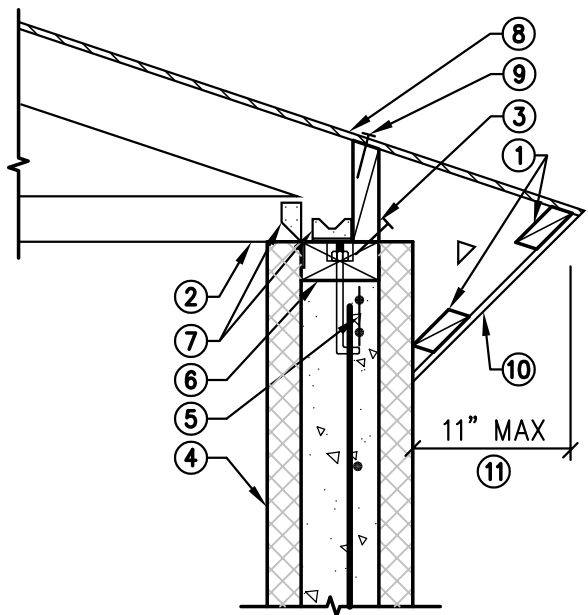
101-120

S3.1

Simply Structural Inc.
#19-029
ENG:DGS
602-443-0303
Fax 602-443-0404
730 N. 52nd Street, Suite 100
Phoenix, Arizona 85008
dschot@simplystructural.com

KEY NOTES:

- 2x BLOCKING.
- PREFAB WOOD TRUSSES.
- 2x BLOCKING WITH (4) 16d TOENAILS OR SIMPSON A35 EACH BLOCK TO WOOD PLATE.
- ICF WALL.
- TOP OF WALL REINFORCING PER DETAIL 41.
- 3x6 WOOD PLATE WITH 3/4" DIA. ANCHOR BOLTS AT 24" O.C. - COUNTERSINK NUTS 1" MAX.
- SIMPSON H2.5A AND A34 EACH TRUSS TO WOOD PLATE.
- PLYWOOD SHEATHING.
- EDGE NAILING.
- SHEATHING PER ARCH'L DRAWINGS.
- SEE ARCH'L DRAWINGS.

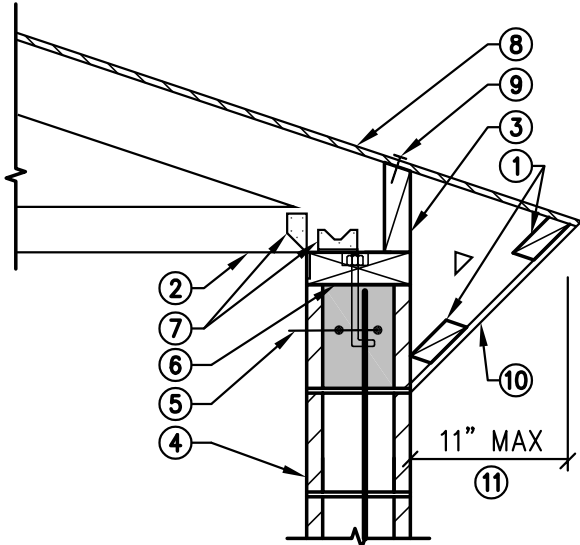


201 PREFAB WOOD TRUSS AT EXTERIOR ICF WALL

19-029 NOT TO SCALE

KEY NOTES:

- 2x BLOCKING.
- PREFAB WOOD TRUSSES.
- 2x BLOCKING WITH (4) 16d TOENAILS OR SIMPSON A35 EACH BLOCK TO WOOD PLATE.
- MASONRY WALL.
- ROOF BOND BEAM PER DETAIL 21.
- 3x6 WOOD PLATE WITH 3/4" DIA. ANCHOR BOLTS AT 24" O.C. - COUNTERSINK NUTS 1" MAX.
- SIMPSON H2.5A AND A34 EACH TRUSS TO WOOD PLATE.
- PLYWOOD ROOF SHEATHING.
- EDGE NAILING.
- SHEATHING PER ARCH'L DRAWINGS.
- SEE ARCH'L DRAWINGS.

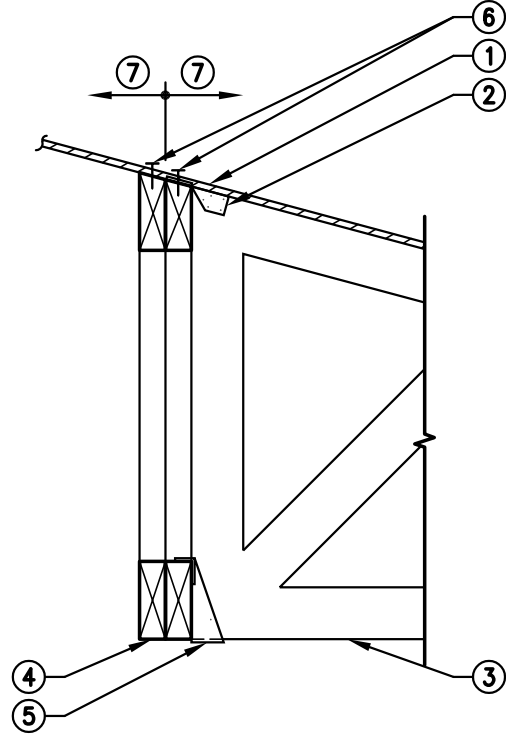


202 PREFAB WOOD TRUSS AT EXTERIOR MASONRY WALL

19-029 NOT TO SCALE

KEY NOTES:

- PLYWOOD ROOF SHEATHING.
- SIMPSON H2.5 AT EACH TRUSS.
- PREFABRICATED WOOD JACK TRUSS.
- MULTI-PLY TRUSS GIRDER.
- SIMPSON LU TYPE JOIST HANGER (AT JACK GIRDER TRUSS USE THA26).
- EDGE NAILING.
- TURN PLYWOOD.

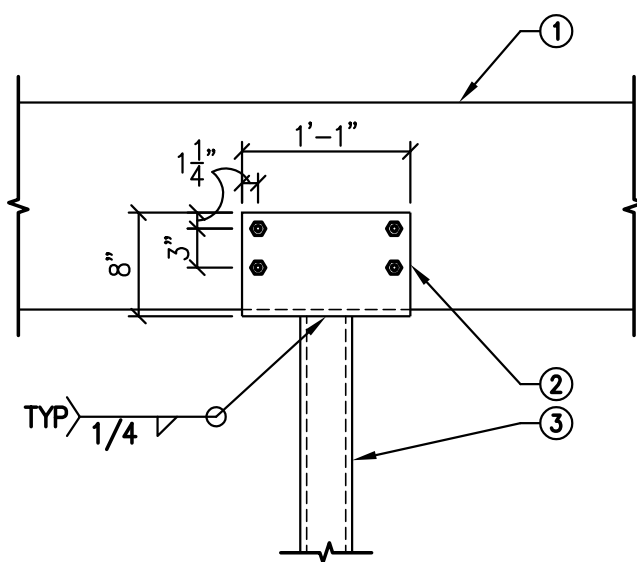


203 WOOD TRUSS AT TRUSS GIRDER

413-01M NOT TO SCALE

KEY NOTES:

- WOOD BEAM.
- 1/4" BENT STEEL "U" PLATE WITH 4 - 3/4" DIA. THRU-BOLTS.
- STEEL COLUMN.



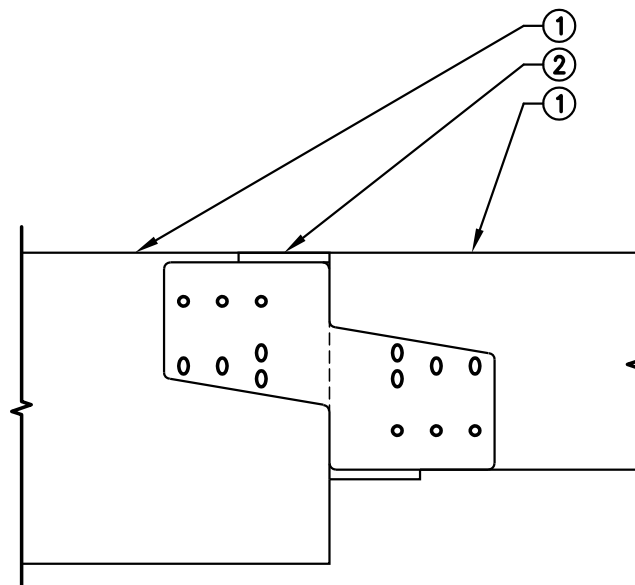
EQUIVALENT SIMPSON CCO COLUMN CAP MAY BE USED AT CONTRACTOR'S OPTION.

204 WOOD BEAM AT STEEL COLUMN

322-01 NOT TO SCALE

KEY NOTES:

- WOOD BEAM.
- SIMPSON HCTA5-7 HINGE CONNECTOR (DAP WOOD BEAM).

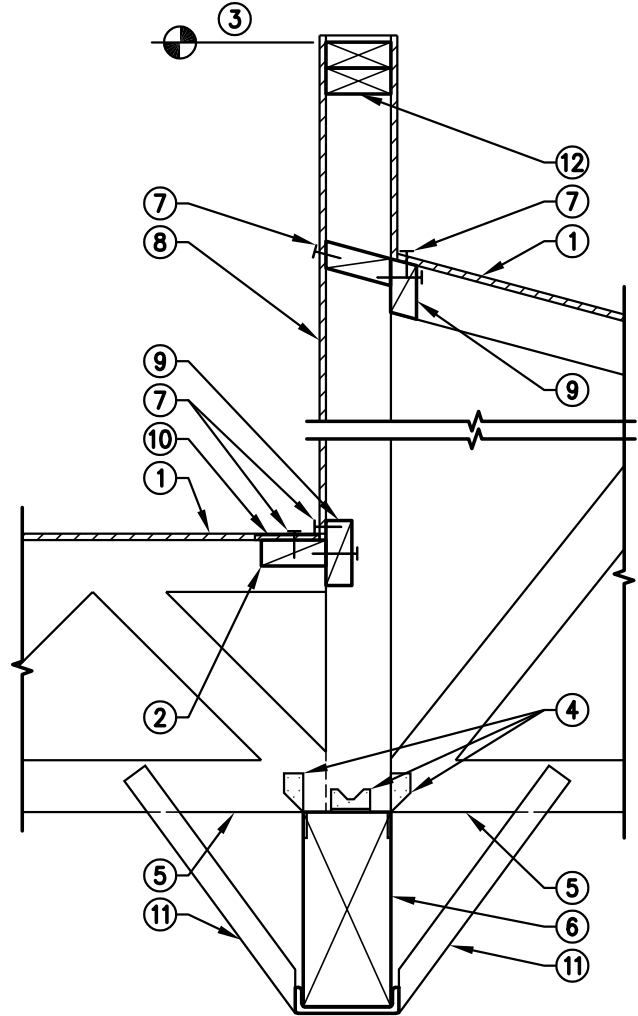


205 WOOD BEAM AT WOOD BEAM

312-04 NOT TO SCALE

KEY NOTES:

- PLYW. MASONRY WALL.
- 2x BLOCKING.
- SEE ARCH'L DRAWINGS.
- SIMPSON A35 AND H2.5A AT EACH TRUSS.
- PREFABRICATED WOOD TRUSS.
- WOOD BEAM.
- EDGE NAILING.
- 1/2" PLYWOOD ROOF SHEATHING - BLOCK ALL UNSUPPORTED PLYWOOD PANEL EDGES.
- 2x BLOCKING WITH 3-16d EACH BLOCK TO BLOCK.
- CONTINUOUS SIMPSON CS14 STRAP WITH 10s NAILS AT 2" O.C.
- SIMPSON VB BRACING WHERE INDICATED ON PLAN.
- 2-2x WOOD PLATE.



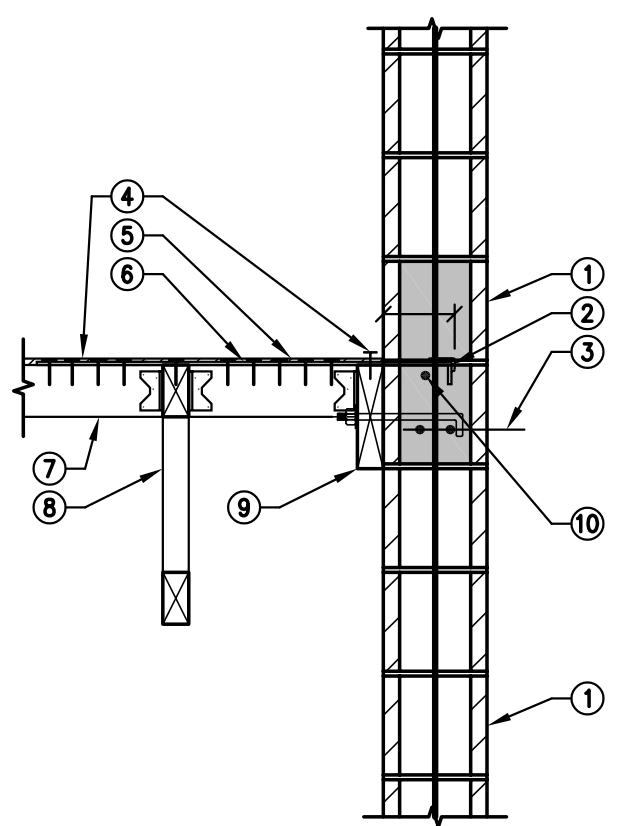
STAGGER TRUSSES FOR FULL BEARING OF EACH TRUSS ON BEAM

206 PREFAB WOOD TRUSSES AT WOOD BEAM

19-029 NOT TO SCALE

KEY NOTES:

- MASONRY WALL.
- SIMPSON PA28 PURLIN ANCHOR AT 48" O.C. WITH 14-10d NAILS.
- ROOF BOND BEAM PER DETAIL 21.
- EDGE NAILING - TYP EACH BLOCK.
- PLYWOOD SHEATHING.
- SIMPSON LSTA30 STRAP WITH 22-10d NAILS AT EACH BLOCK TO BLOCK.
- 3x4 BLOCKING WITH SIMPSON A34 CLIP EACH END.
- WOOD TRUSS.
- WOOD LEDGER.
- 1 #4 IN 8" DEEP GROUTED BOND BEAM WITHIN PA STRAP HOOK - GROUT 4" MIN ABOVE PA STRAP.



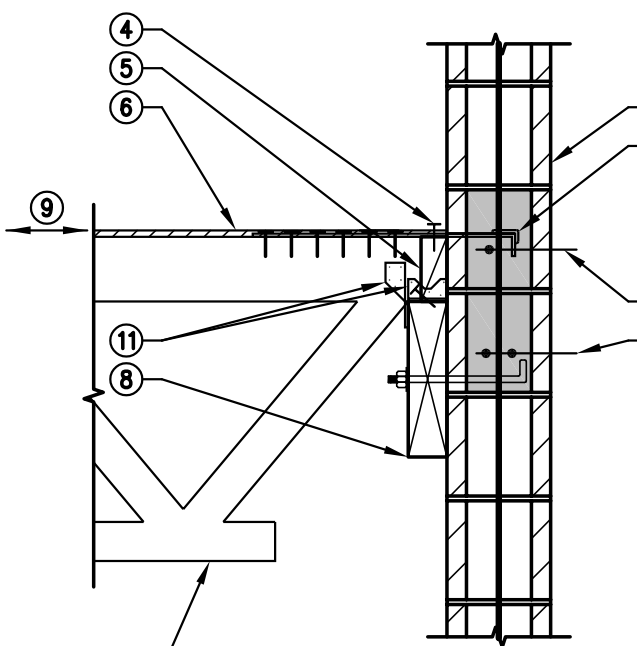
THIS DETAIL TO OCCUR AT 4'-0" O.C. - EXTEND BLOCKING/STRAPS 3 BAYS MIN.

207 WOOD BLOCKING AT MASONRY WALL

601-01.1M NOT TO SCALE

KEY NOTES:

- MASONRY WALL.
- SIMPSON PA28 AT 2'-0" O.C. WITH 9-10d NAILS (ONE ROW) GROUT 4" MINIMUM ALL AROUND ANCHOR.
- 1 #4 IN 8" DEEP (MIN) GROUTED BOND BEAM WITHIN PA STRAP HOOK - EXTEND 4" MIN ABOVE ANCHOR.
- EDGE NAILING.
- 2x BLOCKING WITH 4-16d TOENAILS PER BLOCK.
- PLYWOOD SHEATHING.
- PREFABRICATED WOOD TRUSS.
- WOOD LEDGER.
- TRUSS MANUFACTURER TO DESIGN FOR 1000# (ASD) AXIAL LOAD DUE TO WIND/SEISMIC LOADS.
- SEE ARCH'L DRAWINGS.
- SIMPSON H2.5A AND A34 EACH TRUSS TO LEDGER.
- ROOF BOND BEAM PER DETAIL 21.



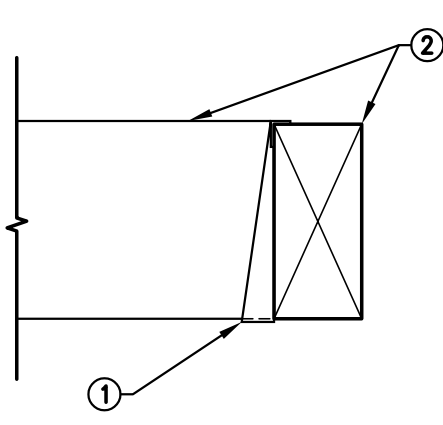
SEE DETAIL 70 FOR TRUSS TO LEDGER INFORMATION

208 PREFABRICATED WOOD TRUSS AT MASONRY WALL

453-01M NOT TO SCALE

KEY NOTES:

- SIMPSON BEAM HANGER U.N.O. AT END OF SUPPORT BEAM. PROVIDE SIMPSON HANGER WITH OFFSET TOP FLANGE.
- WOOD BEAM.

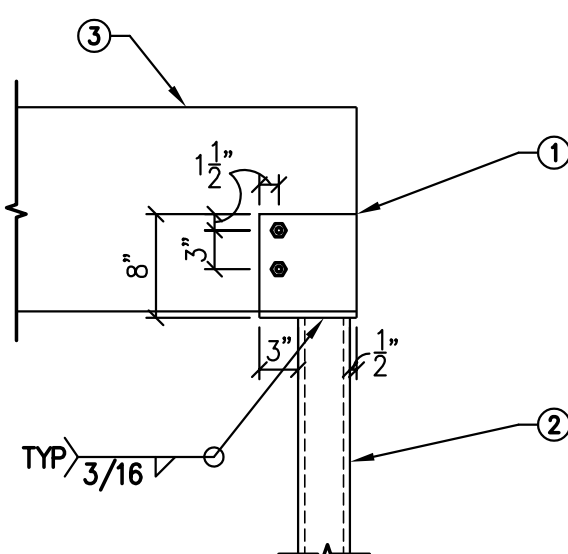


209 WOOD BEAM TO BEAM

19-029 NOT TO SCALE

KEY NOTES:

- 1/4" BENT "U" PLATE WITH 2 - 3/4" DIA. THRU-BOLTS.
- STEEL COLUMN.
- WOOD BEAM.



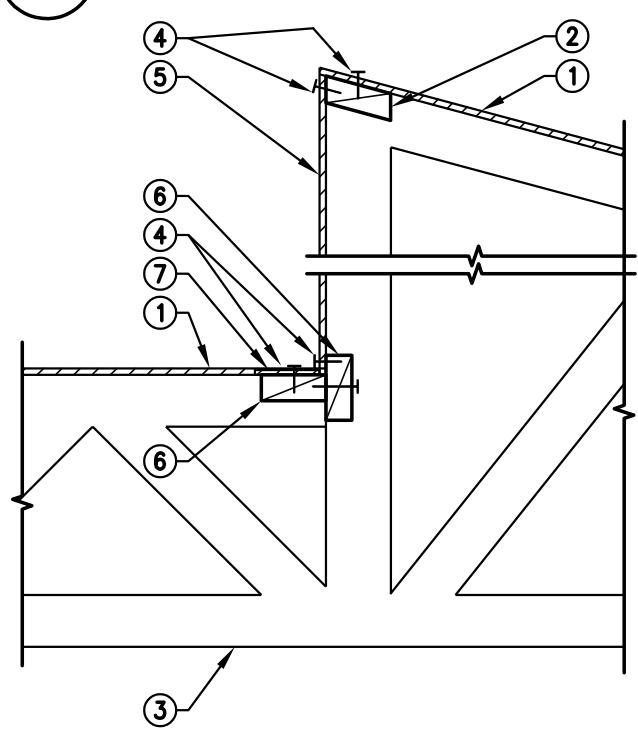
EQUIVALENT SIMPSON EOCO COLUMN CAP MAY BE USED AT CONTRACTOR'S OPTION.

210 WOOD BEAM AT STEEL COLUMN

322-01.2M NOT TO SCALE

KEY NOTES:

- PLYWOOD SHEATHING.
- 2x BLOCKING.
- PREFABRICATED WOOD TRUSS.
- EDGE NAILING.
- 1/2" PLYWOOD ROOF SHEATHING - BLOCK ALL UNSUPPORTED PLYWOOD PANEL EDGES.
- 2x BLOCKING WITH 3-16d EACH BLOCK TO BLOCK. VARIES
- CONTINUOUS SIMPSON CS14 STRAP WITH 10s NAILS AT 2" O.C.

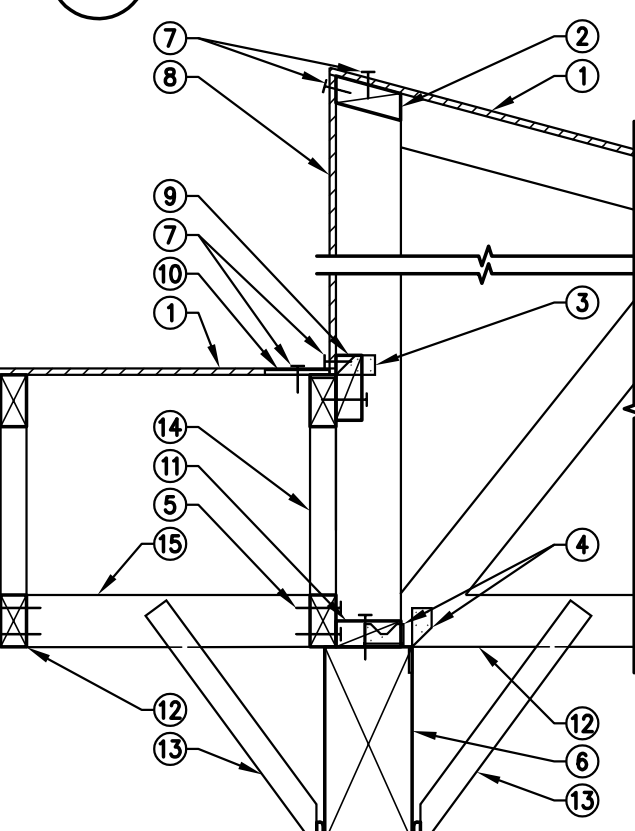


211 PLYWOOD SHEATHING AT STEP IN PREFAB WOOD TRUSS

19-032 NOT TO SCALE

KEY NOTES:

- PLYWOOD SHEATHING.
- 2x BLOCKING.
- SIMPSON H2.5A AT EACH TRUSS.
- SIMPSON A35 AND H2.5A AT EACH TRUSS.
- WOOD BEAM.
- EDGE NAILING.
- 1/2" PLYWOOD ROOF SHEATHING - BLOCK ALL UNSUPPORTED PLYWOOD PANEL EDGES.
- 2x BLOCKING WITH 3-16d EACH BLOCK TO TRUSS.
- CONTINUOUS SIMPSON CS14 STRAP WITH 10s NAILS AT 2" O.C.
- 2x BLOCKING.
- PREFABRICATED WOOD TRUSS.
- SIMPSON VB BRACING WHERE INDICATED ON PLAN.
- PREFAB TRUSS WITH VERTICAL WEBS AT 24" O.C. DESIGN TRUSS FOR 500 PLF (ASD) AXIAL WIND/SEISMIC LOAD FROM TOP TO BOTTOM CHORD.
- 2x4 BLOCKING WITH 2-16d EACH END AT EACH BRACE.

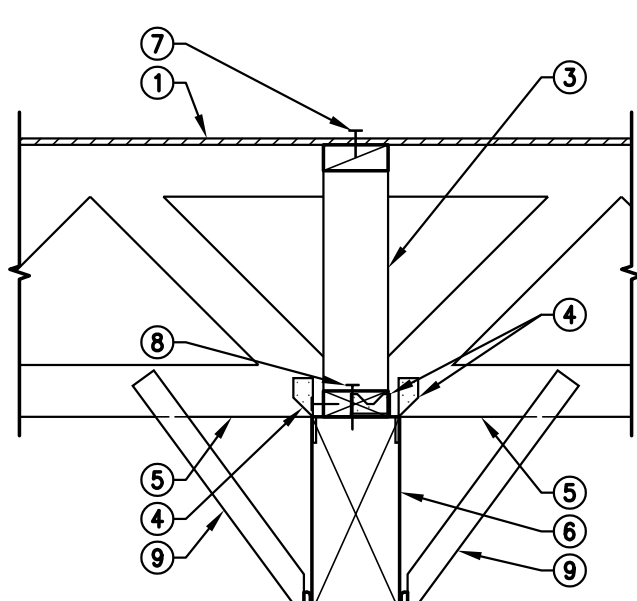


212 PLYWOOD SHEATHING AT STEP IN PREFAB WOOD TRUSS AT WOOD BEAM

19-029 NOT TO SCALE

KEY NOTES:

- PLYWOOD SHEATHING.
- 2x BLOCKING.
- 2x BLOCKING PANEL PER DETAIL 63.
- SIMPSON A35 AND H2.5A AT EACH TRUSS.
- PREFABRICATED WOOD TRUSS.
- WOOD BEAM.
- EDGE NAILING.
- 16d AT 6" O.C.
- SIMPSON VB BRACING WHERE INDICATED ON PLAN.



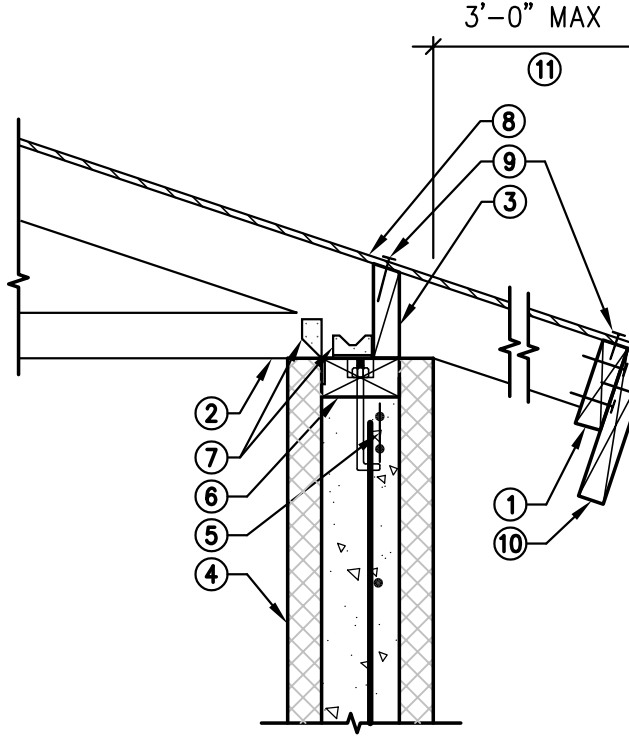
STAGGER TRUSSES FOR FULL BEARING OF EACH TRUSS ON BEAM

213 PREFAB WOOD TRUSSES AT WOOD BEAM

19-029 NOT TO SCALE

KEY NOTES:

- 2x FASCIA WITH 2-16d NAILS PER TRUSS.
- PREFAB WOOD TRUSSES.
- 2x BLOCKING WITH (4) 16d TOENAILS OR SIMPSON A34 EACH BLOCK TO WOOD PLATE.
- ICF WALL.
- TOP OF WALL REINFORCING PER DETAIL 41.
- 3x6 WOOD PLATE WITH 3/4" DIA. ANCHOR BOLTS AT 24" O.C. - COUNTERSINK NUTS 1" MAX.
- SIMPSON H2.5A AND A34 EACH TRUSS TO WOOD PLATE.
- PLYWOOD SHEATHING.
- EDGE NAILING.
- 2x FASCIA WITH 16d NAILS AT 12" O.C.
- SEE ARCH'L DRAWINGS.

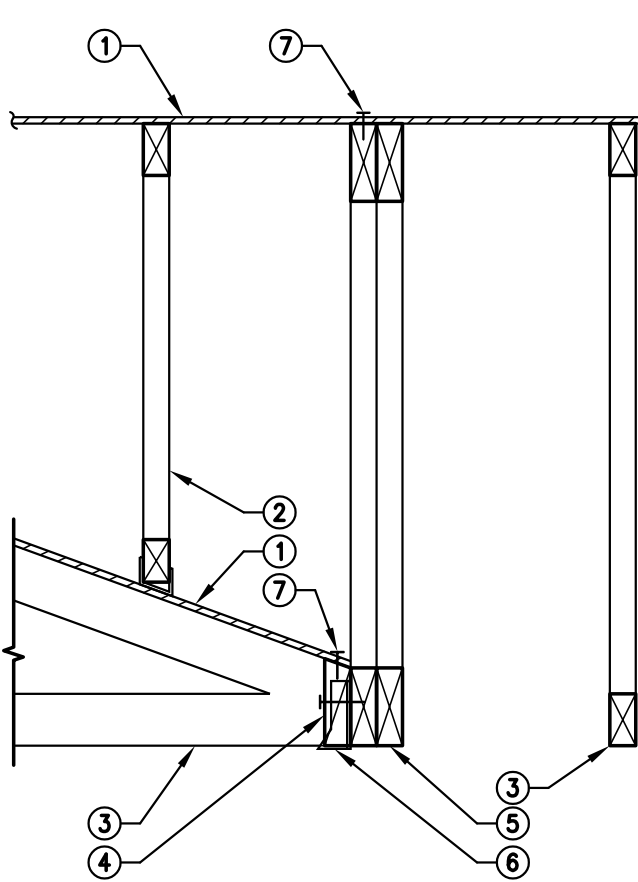


214 PREFAB WOOD TRUSS AT EXTERIOR ICF WALL

19-029 NOT TO SCALE

KEY NOTES:

- PLYWOOD ROOF SHEATHING. OVERFRAMING PER DETAIL 69.
- PREFABRICATED WOOD TRUSS.
- 2x BLOCKING WITH 16d NAILS AT 6" O.C.
- WOOD TRUSS GIRDER. DESIGN TRUSS FOR 500 PLF (ASD) AXIAL WIND/SEISMIC LOAD FROM TOP TO BOTTOM CHORD.
- SIMPSON LUS JOIST HANGER U.N.O.
- EDGE NAILING.

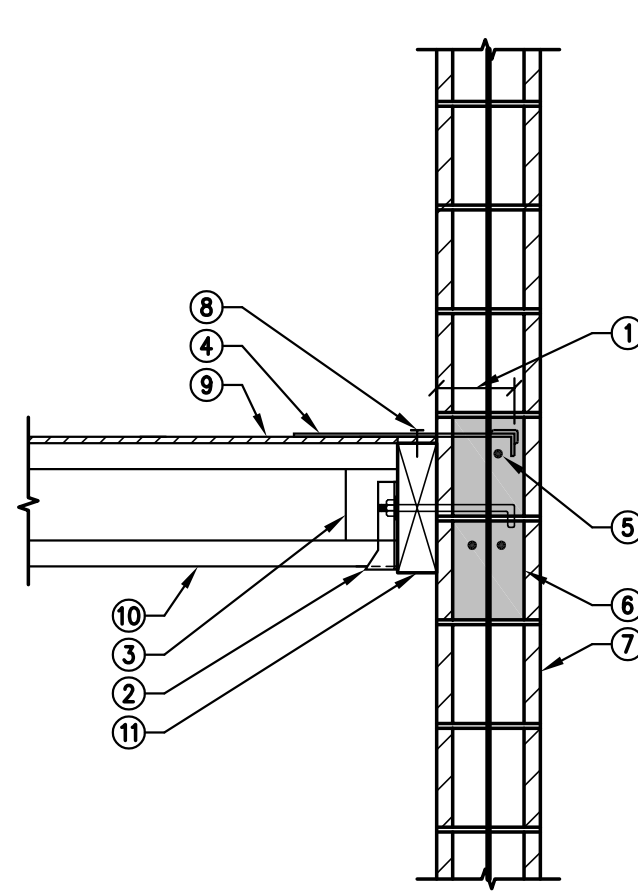


215 WOOD TRUSS AT TRUSS GIRDER

413-02M NOT TO SCALE

KEY NOTES:

- 6" STRAP EMBEDMENT.
- JOIST HANGER.
- WEB STIFFENER AS REQUIRED.
- SIMPSON PA28 PURLIN ANCHOR AT 48" O.C. WITH 14-10d NAILS.
- 1 #4 IN 8" DEEP (MIN) GROUTED BOND BEAM WITHIN PA STRAP HOOK - EXTEND GROUT 4" MIN ABOVE ANCHOR.
- ROOF BOND BEAM PER DETAIL 21.
- MASONRY WALL.
- EDGE NAILING.
- PLYWOOD SHEATHING.
- WOOD I JOIST.
- WOOD LEDGER.

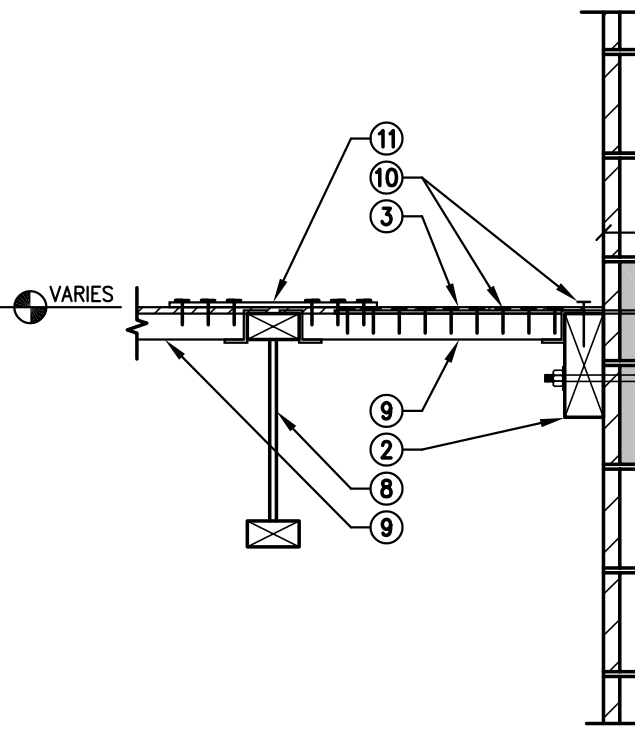


216 WOOD I JOIST AT MASONRY WALL

18-026 NOT TO SCALE

KEY NOTES:

- 6" STRAP EMBEDMENT.
- WOOD LEDGER.
- PLYWOOD SHEATHING.
- SIMPSON PA28 PURLIN ANCHOR AT 48" O.C. WITH 14-10d NAILS.
- 1 #4 IN 8" DEEP (MIN) GROUTED BOND BEAM WITHIN PA STRAP HOOK - GROUT 4" MIN ABOVE PA STRAP.
- ROOF BOND BEAM PER DETAIL 21.
- MASONRY WALL.
- WOOD I JOIST.
- FLAT 2x4 BLOCKING (MIN) AT EACH PURLIN ANCHOR WITH SIMPSON Z2 EACH END.
- EDGE NAILING - TYP EACH BLOCK.
- SIMPSON LSTA30 STRAP WITH 22-10d NAILS AT EACH BLOCK TO BLOCK.



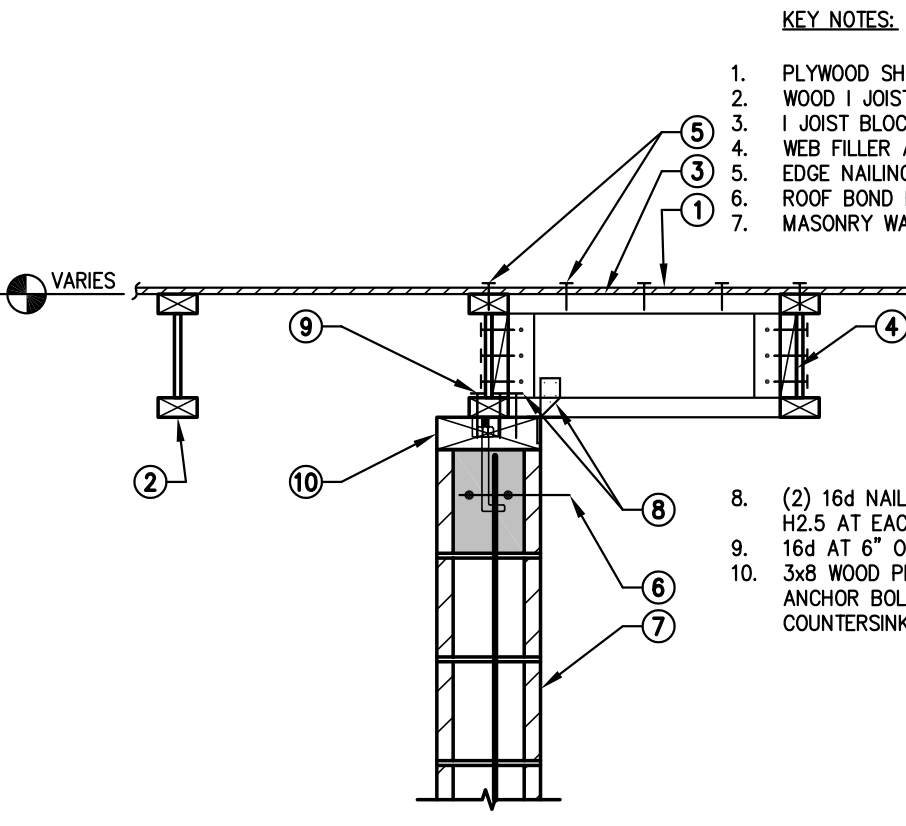
THIS DETAIL TO OCCUR AT 4'-0" O.C. - EXTEND BLOCKING/STRAPS 3 BAYS MIN.

217 PLYWOOD SHEATHING AT MASONRY WALL

19-029 NOT TO SCALE

KEY NOTES:

- PLYWOOD SHEATHING.
- WOOD I JOIST.
- 1 JOIST BLOCKING AT 24" O.C.
- WEB FILLER AT EACH BLOCK.
- EDGE NAILING.
- ROOF BOND BEAM PER DETAIL 21.
- MASONRY WALL.
- (2) 16d NAILS AND SIMPSON H2.5 AT EACH BLOCK TO PLATE.
- 16d AT 6" O.C.
- 3x6 WOOD PLATE WITH 3/4" DIA ANCHOR BOLTS AT 24" O.C. - COUNTERSINK NUTS 1" MAX.

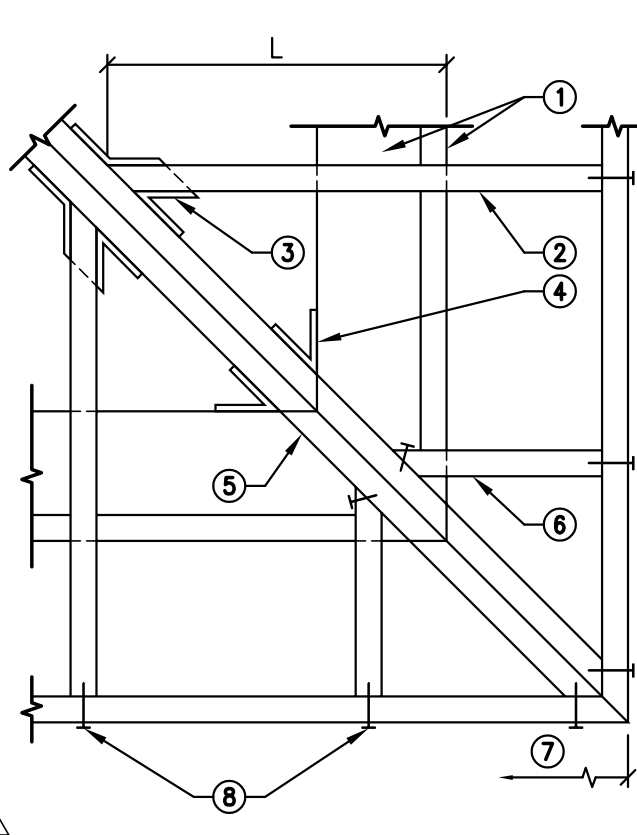


218 WOOD I JOISTS AT INTERIOR MASONRY WALL

19-029 NOT TO SCALE

KEY NOTES:

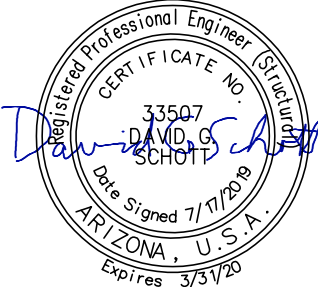
- WOOD BLOCKING AND PLATE BELOW.
- JACK TRUSS. SEE CUT RAFTER. INSTALL SIMPSON SUR/SUL28 HANGER IN LIEU OF 3-16d NAILS WHEN "L" EXCEEDS 6'-0".
- SIMPSON SUR/SUL26 AS REQUIRED.
- SIMPSON H2.5 EACH SIDE.
- DOUBLE 2x HIP MEMBER EXTEND ONE LEG TO FASCIA, RIP LEG TO TYPICAL JACK RAFTER DIMENSION.
- TYPICAL JACK RAFTER - NAIL TO HIP WITH 3-16d NAILS. CONTINUOUS FASCIA (DO NOT SPICE WITHIN 6'-0" FROM CORNER - EACH WAY).
- 3-16d NAILS - TYPICAL AT EACH TRUSS.



219 PLAN - WOOD JACK TRUSSES AT HIP JACK TRUSS

400-02 NOT TO SCALE

Seal



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Rev	Date	By	Description
1	7/17/19	DGS	CITY COMMENTS

City of Buckeye
Fire Station No. 705
 30551 W. Tartesso Pkwy.
 Buckeye, AZ 85396

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date

07-17-19

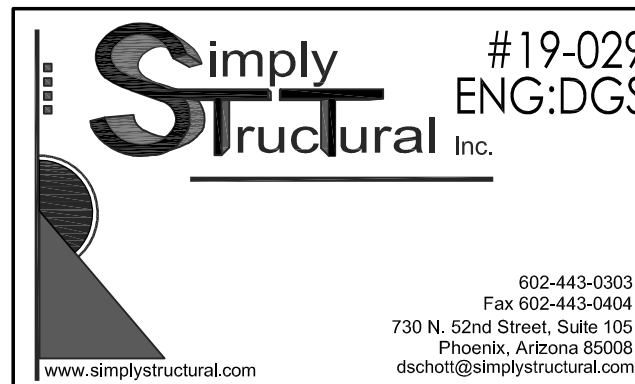
Project Number

318009

Sheet Number

FRAMING DETAILS
201-220

S4.1



KEY NOTES:

- DECK EDGE CONNECTION WITH LOW FLUTE TO STEEL PLATE.
- STEEL DECK.
- 1/4"x7"xCONTINUOUS STEEL EMBED PLATE WITH SKEWED 5/8" DIA. WELDED HEADED STUDS AT 16" O.C. - SKEW AS REQUIRED TO MATCH ROOF SLOPE.
- SEE ARCH'L DRAWINGS.
- 15x3x3/8 (LLV) - SPLICE ONLY AT TUBE BEAM CENTERLINE BEYOND.
- BUILT-UP STEEL TRUSS BEYOND.
- STEEL TUBE BEAM PER DETAIL 222 IN FIRST HIGH FLUTE INBOARD OF WALL CONTRACTOR TO COORDINATE LAYOUT WITH TUBE BEAMS AND STEEL DECK PRIOR TO CONSTRUCTION.
- DRYPACK OR FRESH GROUT BED FOR FULL BEARING.
- 1 #4 IN 8" DEEP GROUTED BOND BEAM BETWEEN BUILT-UP TRUSSES BEYOND.
- GROUT MASONRY SOLID BETWEEN TRUSSES ABOVE CONTINUOUS BOND BEAM.
- MASONRY WALL.
- 2 #5 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM IN FIRST COURSE BELOW TRUSS BEARING.
- 3625162-43 CFS CEILING JOISTS AT 24" O.C.
- CFS TRACK WITH 1/2" DIA ANCHOR BOLTS AT 32" O.C. MAX.
- SHEATHING PER ARCH'L DRAWINGS.
- CFS TRACK WITH #10 AT 16" O.C.
- 43 MIL TRACK AND JOIST WITH #10 TOP AND BOTTOM, OR 2x WOOD FASCIA BEAM PER ARCH'L DRAWINGS. CONNECT TO ANGLE WITH #10 AT 6" O.C.

221 STEEL DECK AT EXTERIOR MASONRY WALL

18-026 NOT TO SCALE

KEY NOTES:

- STEEL TUBE BEAM.
- ANGLE FROM BEYOND.
- STEEL EMBED PLATE FROM BEYOND.
- 16" MASONRY WALL FROM BEYOND.
- STEEL BEAM.
- ACCESS FINISH.
- SEE ARCH'L DRAWINGS.
- FASCIA FROM BEYOND.

222 STEEL TUBE OUTRIGGER SECTION AT 16" MASONRY WALL

19-029 NOT TO SCALE

KEY NOTES:

- STEEL DECK - EXTEND AS SHOWN.
- 15x3x3/8 (LLV) - SPLICE ONLY WITHIN 12" MAX OF TUBE BEAM CENTERLINE - BUTT WELD ANGLE ALL AROUND AT SPLICE.
- DECK CLOSURE PER ARCH'L DRAWINGS.
- PLATE 1/4"x1"-2"xCONTINUOUS WITH 5/8" DIA. H.A.S. AT 24" O.C. IN EACH WYTHE.
- DRYPACK OR FRESH GROUT BED FOR FULL BEARING.
- #4 DONNELS 10"
- 2 #5 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM - STEP /SLOPE AS REQUIRED - TYPICAL EACH WYTHE.
- 16" MASONRY WALL.
- 43 MIL TRACK AND JOIST WITH #10 TOP AND BOTTOM, OR 2x WOOD FASCIA BEAM PER ARCH'L DRAWINGS. CONNECT TO ANGLE WITH #10 AT 6" O.C.
- SEE ARCH'L DRAWINGS.
- SHEATHING PER ARCH'L DRAWINGS.
- 3625162-43 CFS CEILING JOISTS AT 24" O.C.
- CFS TRACK WITH 1/2" DIA ANCHOR BOLTS AT 32" O.C. MAX.
- CFS TRACK WITH #10 AT 16" O.C.

223 STEEL DECK AT EXTERIOR 16" MASONRY WALL

18-026 NOT TO SCALE

224 STEEL DECK AT STEEL RIDGE RIDGE BEAM

19-029 NOT TO SCALE

225 BUILT-UP STEEL TRUSS AT MASONRY WALL

713-01.1M NOT TO SCALE

KEY NOTES:

- STEEL DECK - CONNECT TO CHANNEL AS EDGE MEMBER.
- 6x6x2 STEEL CHANNEL BEAM U.N.O. - SEE DETAIL 42 FOR END CONNECTIONS.
- HSS3x3x1/4 STEEL COLUMN.
- BUILT-UP STEEL TRUSS.
- L3x3x1/4 STEEL BRACE IN TWO PERPENDICULAR DIRECTIONS. CEILING LINE WHERE OCCURS.
- 3/8"x6" SQUARE (MIN) STEEL PLATE - COORDINATE SIZE WITH DOOR MANUFACTURER.
- DOOR SUPPORT AND CONNECTION TO PLATE BY OTHERS.
- SEE ARCH'L DRAWINGS.

226 OVERHEAD DOOR SUPPORT AT STEEL ROOF FRAMING

18-026 NOT TO SCALE

KEY NOTES:

- EDGE NAILING.
- PLYWOOD SHEATHING.
- PREFABRICATED WOOD TRUSS.
- PLYWOOD SHEAR PANEL PER DETAIL 63.
- 3x6 WOOD PLATE WITH 3/4" DIA. ANCHOR BOLTS AT 24" O.C. (COUNTERSUNK 1" MAX).
- MASONRY WALL.
- ROOF BOND BEAM PER DETAIL 21.
- H2.5A AND A34 EACH TRUSS TO PLATE.

227 PREFAB WOOD TRUSS AT INTERIOR MASONRY WALL

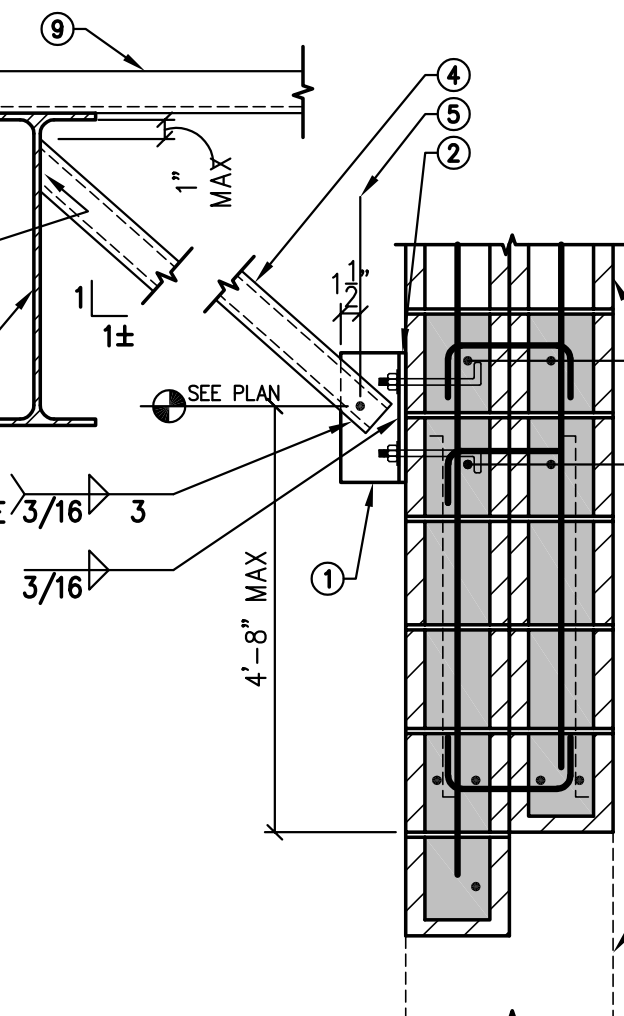
407-01M NOT TO SCALE

KEY NOTES:

- 16" MASONRY WALL.
- 2 #5 18"-0" LONG IN 8" DEEP GROUTED BOND BEAM.
- 1 1/2" LONG SLOTTED HOLES ON BEAM GAGE TO RECEIVE BOLTS.
- 1/2x5x0-10" STEEL BEARING PLATE U.N.O. WITH (2) 3/4" DIA. H.A.S. AT 7" O.C. OVER DRY PACK OR FRESH GROUT BED FOR FULL BEARING - PLATE SHALL HAVE GREASED BEARING SURFACE.
- STEEL BEAM.
- (2) 3/4" DIA. BOLTS ON BEAM GAGE (TIGHTEN NUTS FINGER TIGHT) TACK WELD BOLT HEAD TO UNDERSIDE OF BEARING PLATE.
- FACE SHELL FROM BEYOND - NO FACE SHELL AT DETAIL A.
- MASONRY WALL BEYOND.

228 STEEL BEAM AT TOP OF 16" MASONRY WALL

713-01.1M NOT TO SCALE



229 STEEL TUBE BRACE AT REINFORCED CMU LINTEL AND BUILT-UP STEEL TRUSS

KEY NOTES:

- 3/8x5x1'-0" (LSV) STEEL PLATE EACH SIDE OF TUBE BRACE.
- 3/8x12x1'-0" STEEL EMBED PLATE WITH (4) 3/4" DIA ANCHOR BOLTS OR WELDED HEADED STUDS AT 9" O.C. EACH WAY - TYP EACH BRACE.
- BUILT-UP STEEL TRUSS.
- HSS 4x4x1/4 STEEL TUBE BRACE.
- 3/4" DIA THRU BOLT.
- 4 #4 CONTINUOUS IN 16" DEEP GROUTED BOND BEAM FULL WIDTH OF WALL AT BRACE CENTERLINE.
- 16" MASONRY WALL/LINTEL - SEE OTHER DETAILS.
- STEEL DECK.
- JAMB CONTINUOUS WHERE OCCURS.

230 STEEL BEAM TO BEAM CONNECTION

710-01M NOT TO SCALE

KEY NOTES:

- STEEL BEAM.
- AT ONE SIDED CONNECTIONS, INSTALL 3/8" STIFFENER PLATE OPPOSITE SHEAR PLATE.
- SEE DETAIL 45 FOR SIZE, TYPE AND NUMBER OF BOLTS.
- "D" = LESSER OF BEAM DEPTHS AS OCCURS PER DETAIL 45.
- WELD 3 SIDES TYPICAL.

230 STEEL BEAM TO BEAM CONNECTION

KEY NOTES:

- BUILT-UP TRUSS STEEL TUBE BEAM.
- BUILT-UP TRUSS STEEL TUBE BRACE.
- FULL DEPTH STEEL PLATES PER DETAIL 230.
- 1/2" STEEL PLATE.
- 1/4" STEEL CAP PLATE - BUTT WELD ALL AROUND.
- SEE BUILT-UP STEEL TRUSS SCHEDULE.

231 BUILT-UP STEEL TRUSS CONNECTIONS

19-029 NOT TO SCALE

KEY NOTES:

- PROVIDE DOWEL IN FIRST CELL EACH SIDE OF MCJ U.N.O.
- PROVIDE MCJ AT COLUMN CENTERLINE.
- MASONRY WALL.
- STEEL LINTEL BEAM.
- 3/8" STIFFENER PLATE EACH SIDE OF BEAM - EXTEND TO EDGE OF FLANGE.
- STEEL TUBE COLUMN.
- 1/2"x1/2" PLATE WITH MINIMUM CAP PLATE.
- H2.5A AND A34 EACH TRUSS WHERE OCCURS.

232 STEEL LINTEL BEAM AT STEEL TUBE COLUMN

19-032 NOT TO SCALE

KEY NOTES:

- PLYWOOD SHEATHING.
- EDGE NAILING.
- SHEATHING PER ARCH'L DRAWINGS.
- WOOD HEADER WHERE OCCURS.
- 2x BLOCKING.
- SIMPSON H2.5 AND A34 EACH TRUSS TO PLATE.
- SEE ARCH'L DRAWINGS.
- SHEATHING WHERE OCCURS.
- WOOD STUD WALL.
- 2-2x WOOD PLATE.
- SIMPSON A34 EACH TRUSS AT INNER WALL.
- 1/2" PLYWOOD SHEATHING U.N.O.
- 2x BLOCKING WITH (4) 16d NAILS OR SIMPSON A35 EACH BLOCK TO WOOD PLATE.

233 PREFAB WOOD TRUSS AT EXTERIOR BUILT-UP WOOD STUD WALL

19-028 NOT TO SCALE

234 WOOD BEAM AT ICF WALL CORNER

713-02M NOT TO SCALE

KEY NOTES:

- ICF WALL.
- 3/8x8x1'-8" (LSV) STEEL EMBED PLATE WITH (3) 3/4" DIA x10" LONG H.A.S. AT 7" O.C. AT CORNER.
- SLOPED WOOD BEAM.
- 1/4" BENT "U" PLATE.
- 3 #4 x24" AT 8" O.C. 24"
- BLOCK OUT FOAM - 4" MIN. ALL AROUND H.A.S.
- (2) 3/4" DIA THRU BOLTS.

235 PLYWOOD SHEATHING AT INTERIOR ICF WALL

404-01.1M NOT TO SCALE

KEY NOTES:

- EDGE NAILING.
- SIMPSON A34 AT 12" O.C.
- PLYWOOD SHEATHING.
- 2x6 BLOCKING WITH SIMPSON LUS26 JOIST HANGER EACH END.
- 3 - 16d NAILS.
- PREFAB WOOD TRUSS.
- 2x4 BRACE AT 48" O.C. START AT 24" TRUSS DEPTH.
- SIMPSON GBC CONNECTOR AT EACH BRACE.
- 3/8" PLYWOOD SHEATHING.
- PREFAB TRUSS WITH VERTICAL WEBS AT 24" O.C. DESIGN TRUSS FOR 500 PLF (ASD) AXIAL WIND/SEISMIC LOAD FROM TOP TO BOTTOM CHORD.
- TOP OF WALL REINFORCING.
- 3x6 WOOD PLATE WITH 3/4" DIA. ANCHOR BOLTS AT 24" O.C. - COUNTERSINK NUTS 1" MAX.
- ICF WALL.

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Description

By

Date

Rev

City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date

07-17-19

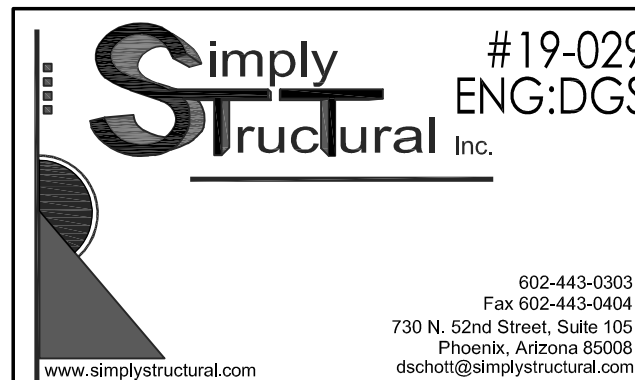
Project Number

318009

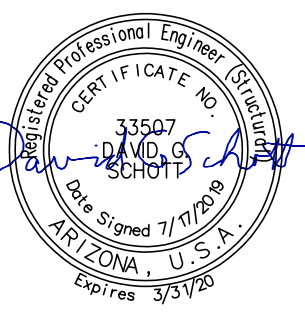
Sheet Number

FRAMING DETAILS
221-240

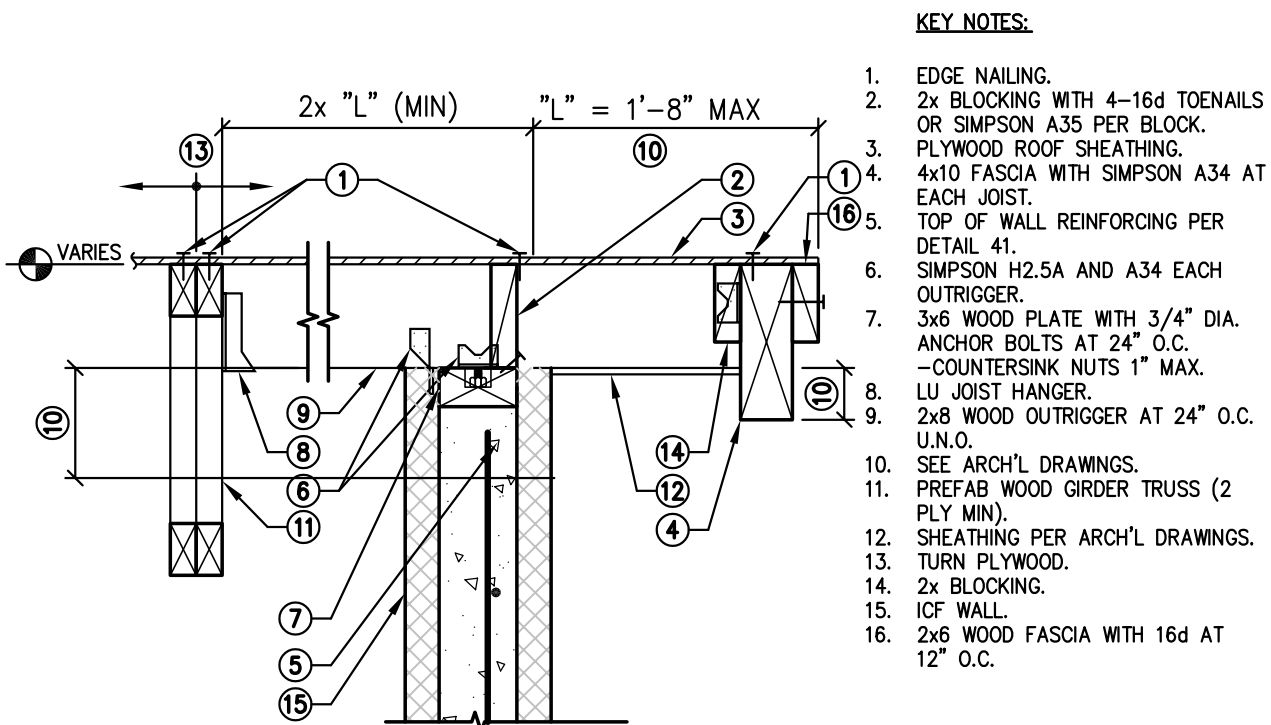
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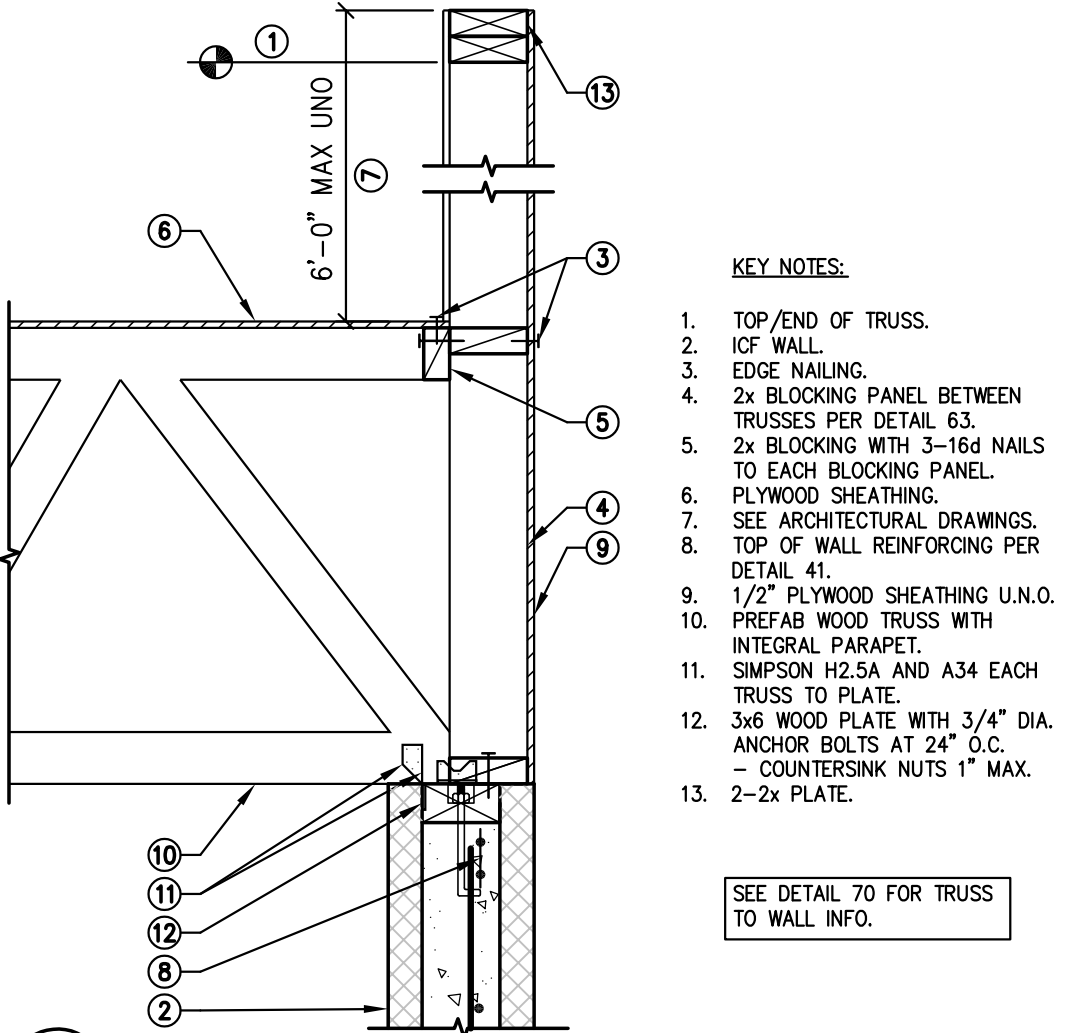
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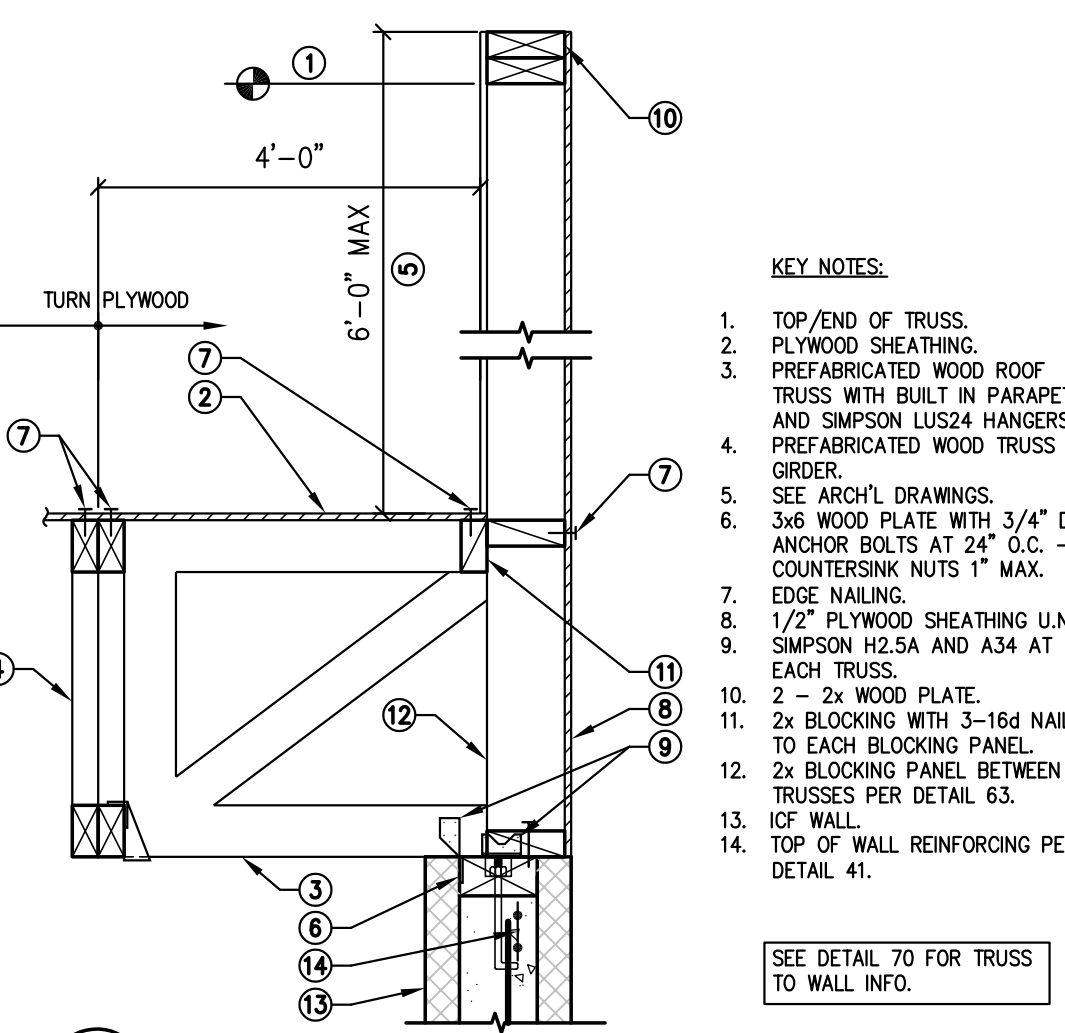
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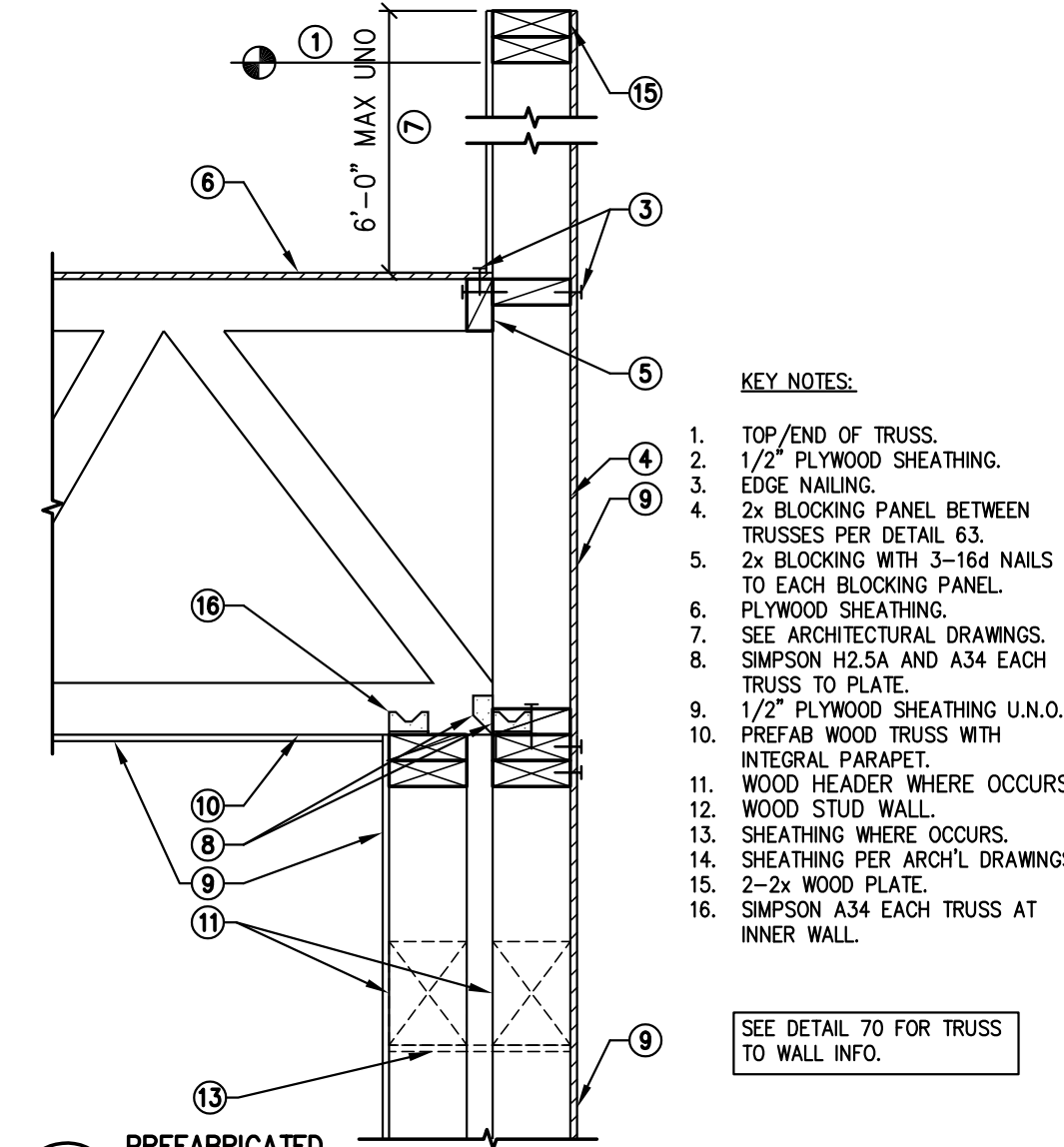
241 WOOD OUTRIGGER AT EXTERIOR ICF WALL
19-029 NOT TO SCALE



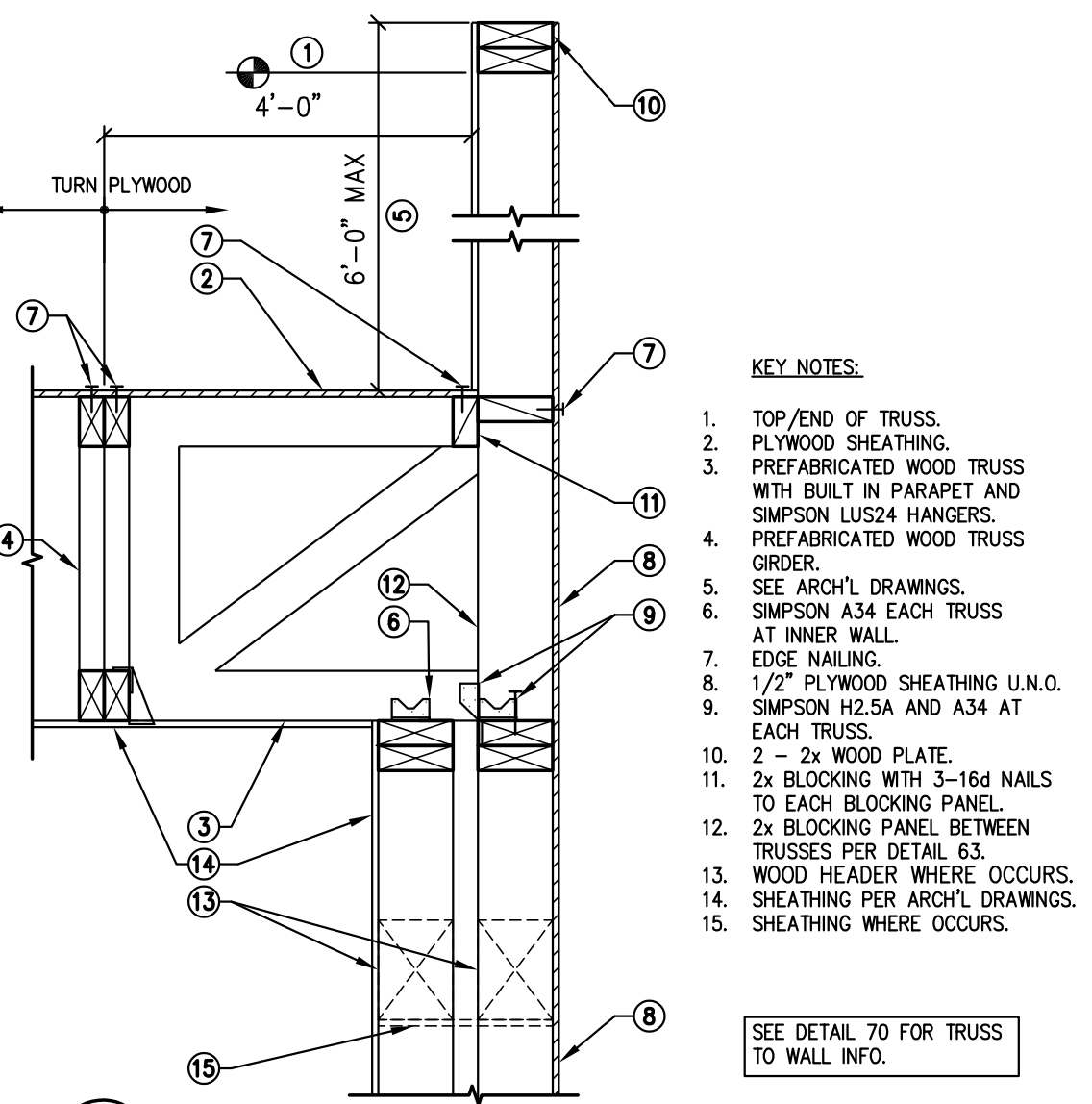
242 PREFABRICATED WOOD TRUSS AT EXTERIOR ICF WALL
19-029 NOT TO SCALE



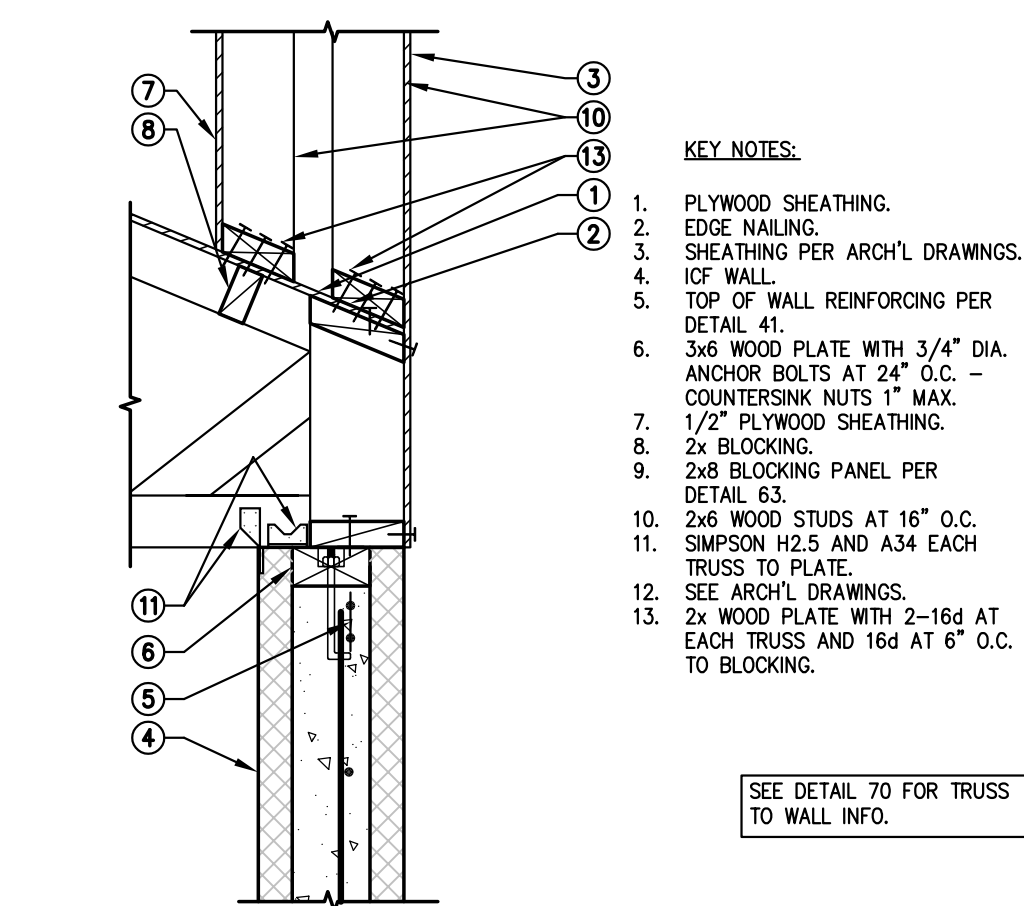
243 PREFAB WOOD TRUSS AT EXTERIOR ICF WALL
461-03.2M NOT TO SCALE



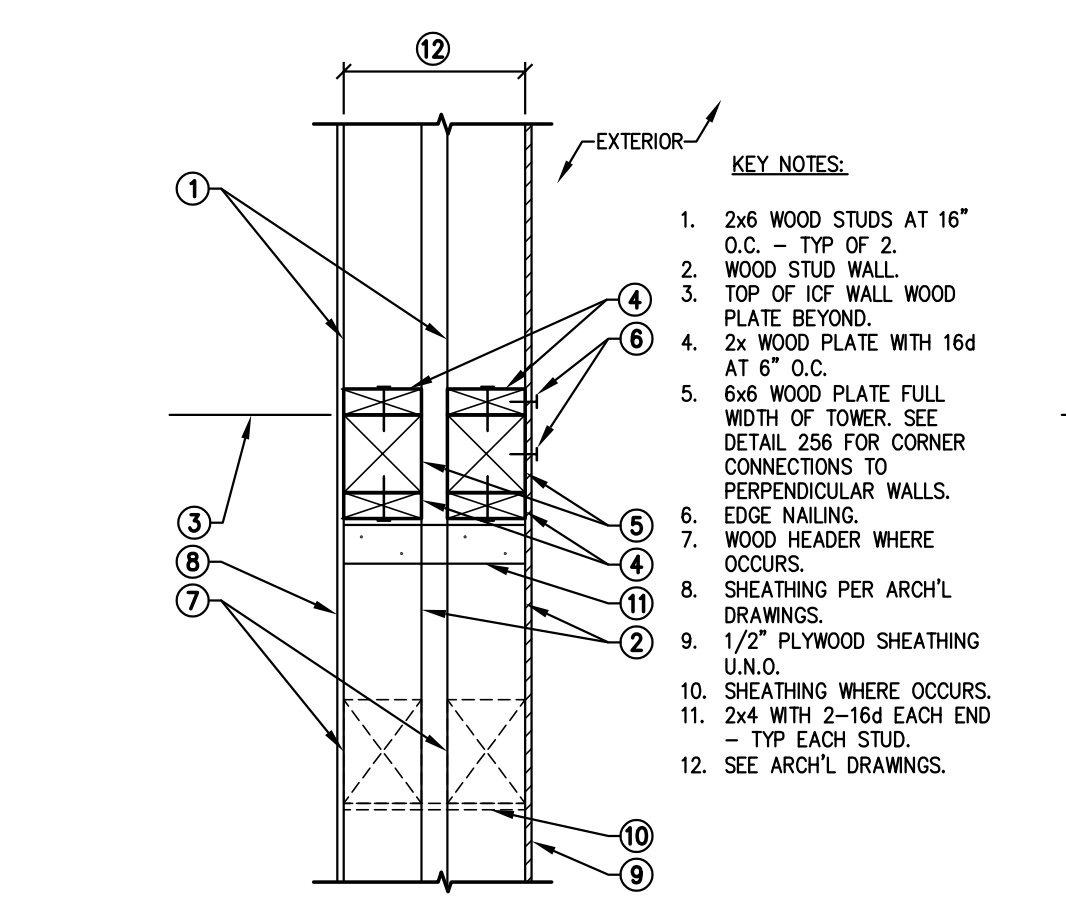
244 PREFABRICATED WOOD TRUSS AT EXTERIOR BUILT-UP WOOD STUD WALL
19-032 NOT TO SCALE



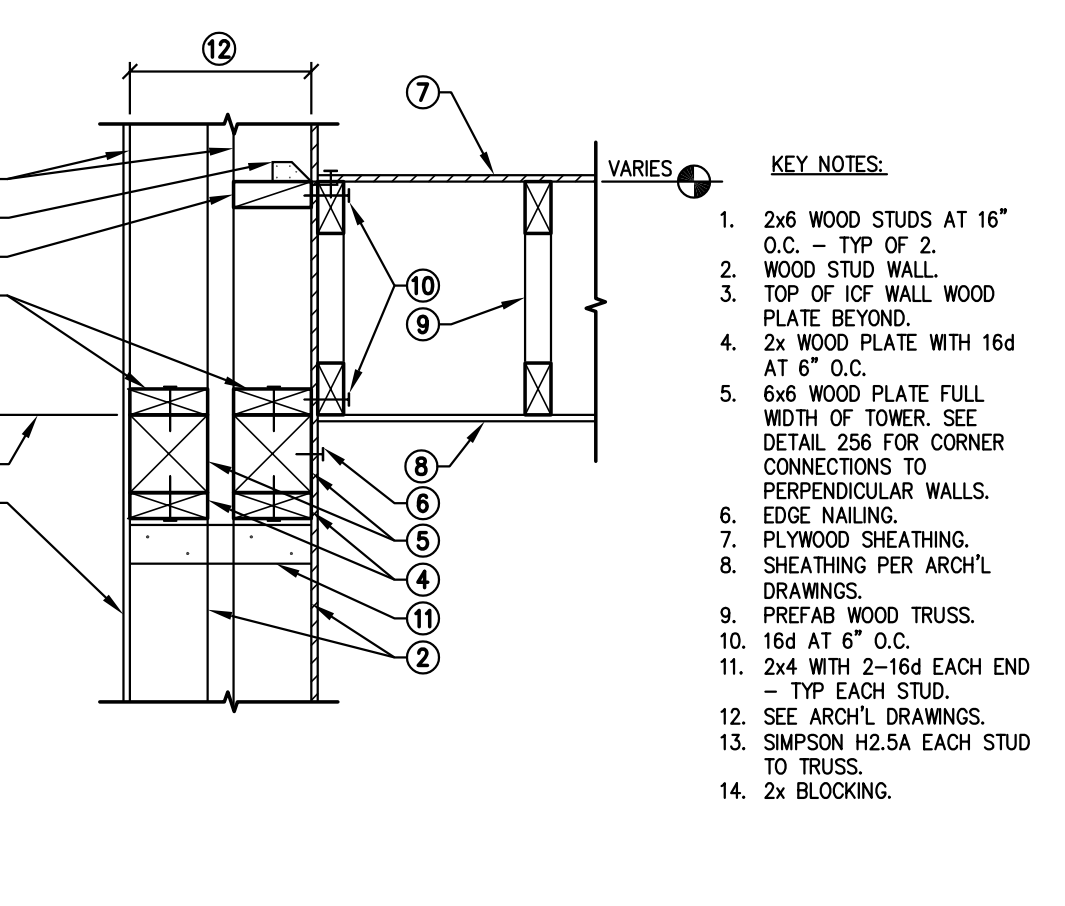
245 PREFAB WOOD TRUSS AT EXTERIOR BUILT-UP WOOD STUD WALL
461-03.2M NOT TO SCALE



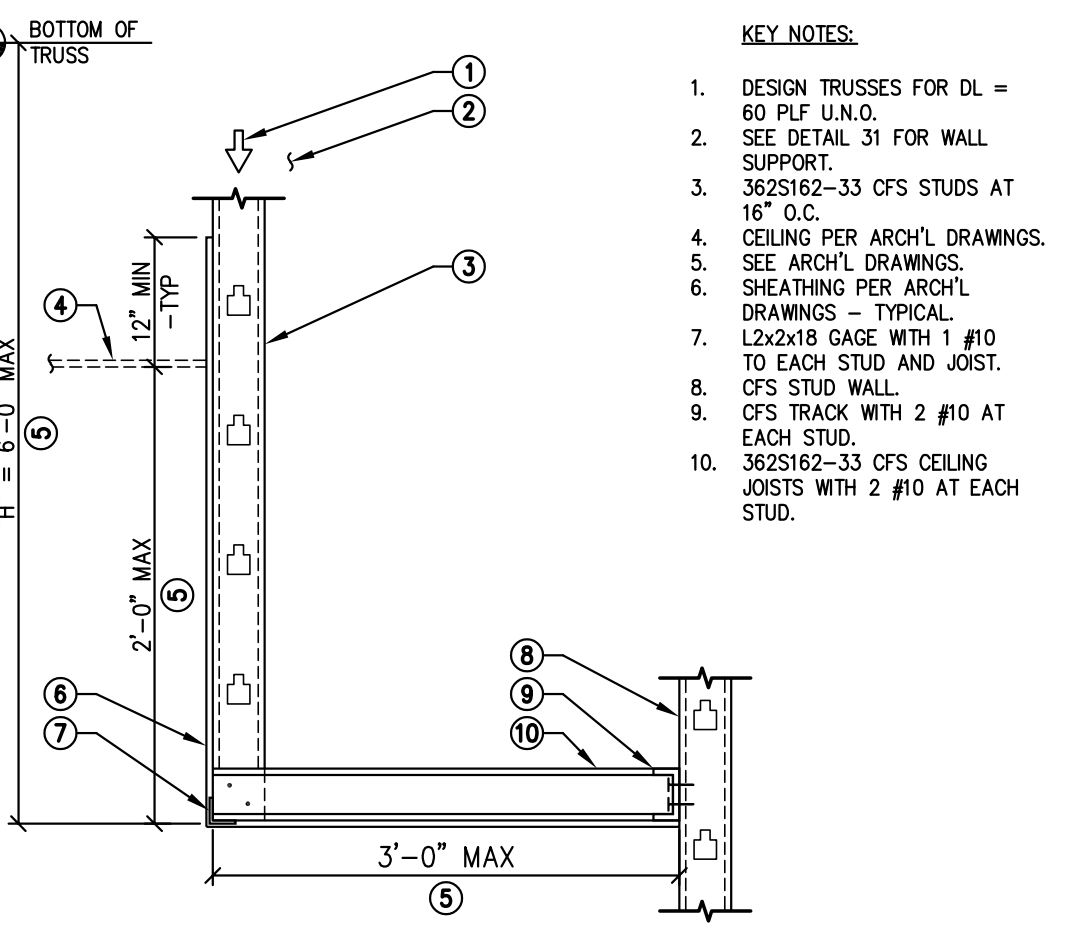
246 PREFAB WOOD TRUSS AND WOOD STUD WALLS AT EXTERIOR ICF WALL
19-029 NOT TO SCALE



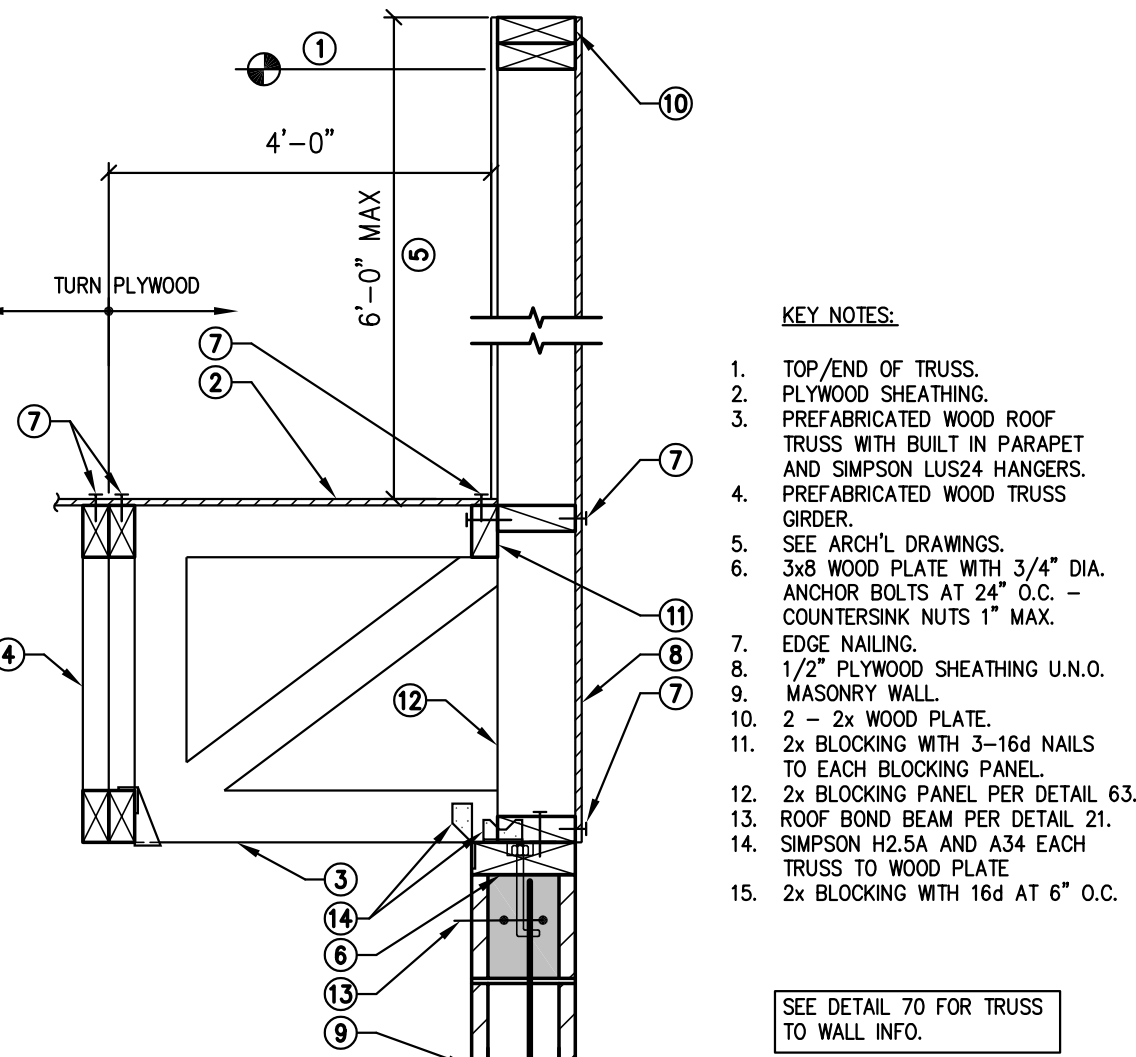
247 BUILT-UP WOOD STUD WALL SECTION
19-029 NOT TO SCALE



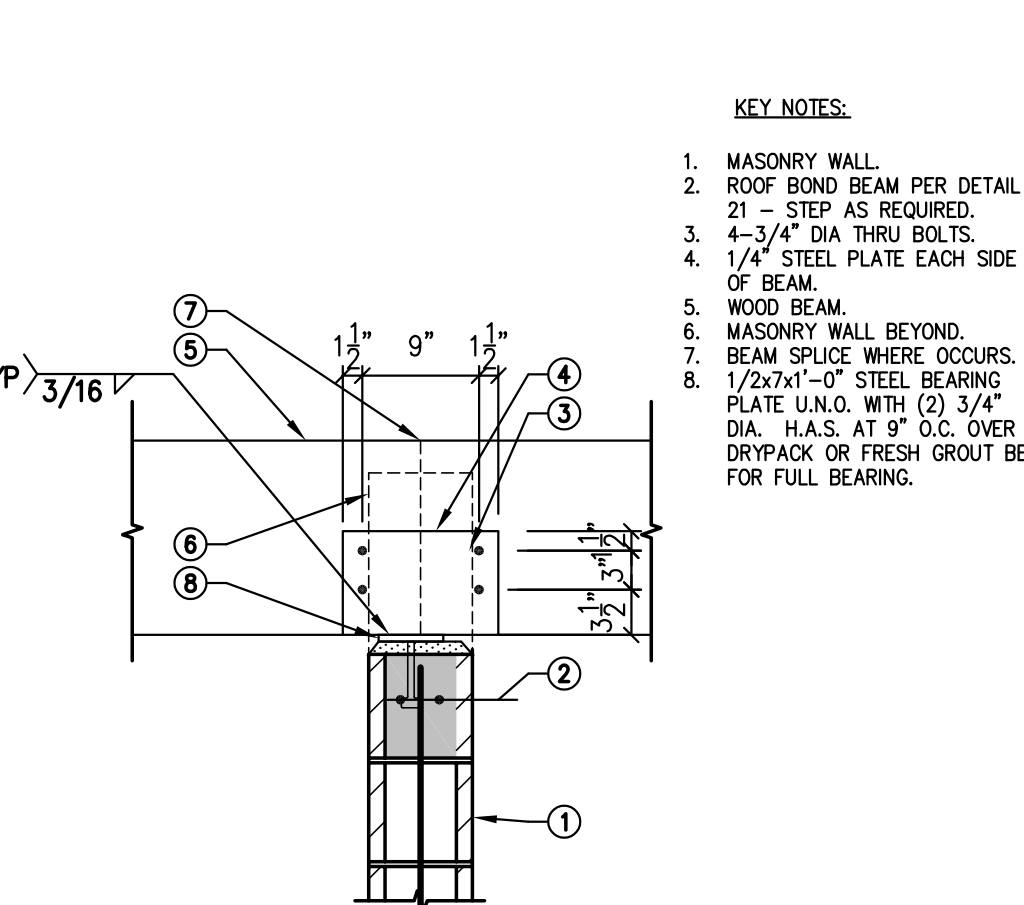
248 PLYWOOD SHEATHING AT BUILT-UP WOOD STUD WALL SECTION
19-029 NOT TO SCALE



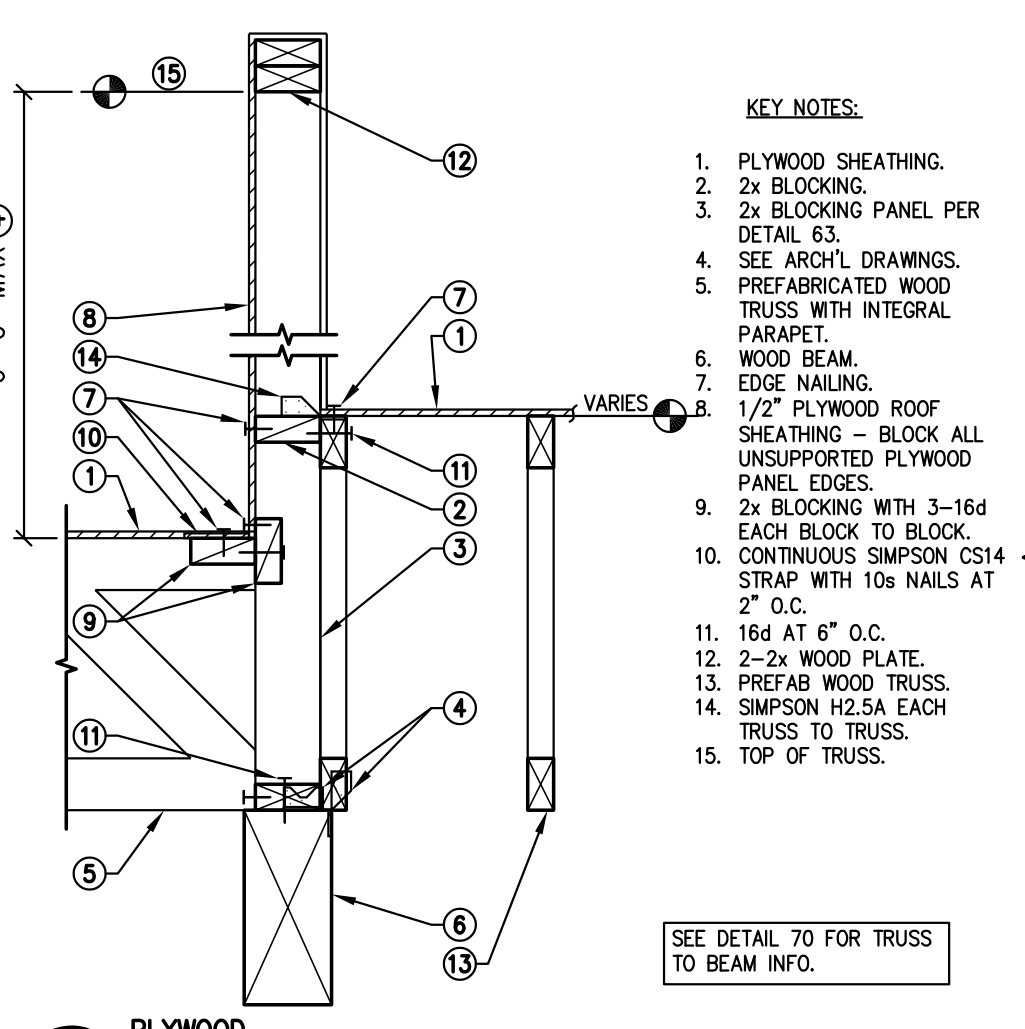
249 INTERIOR CFS STUD SOFFIT WALL SECTION
19-029 NOT TO SCALE



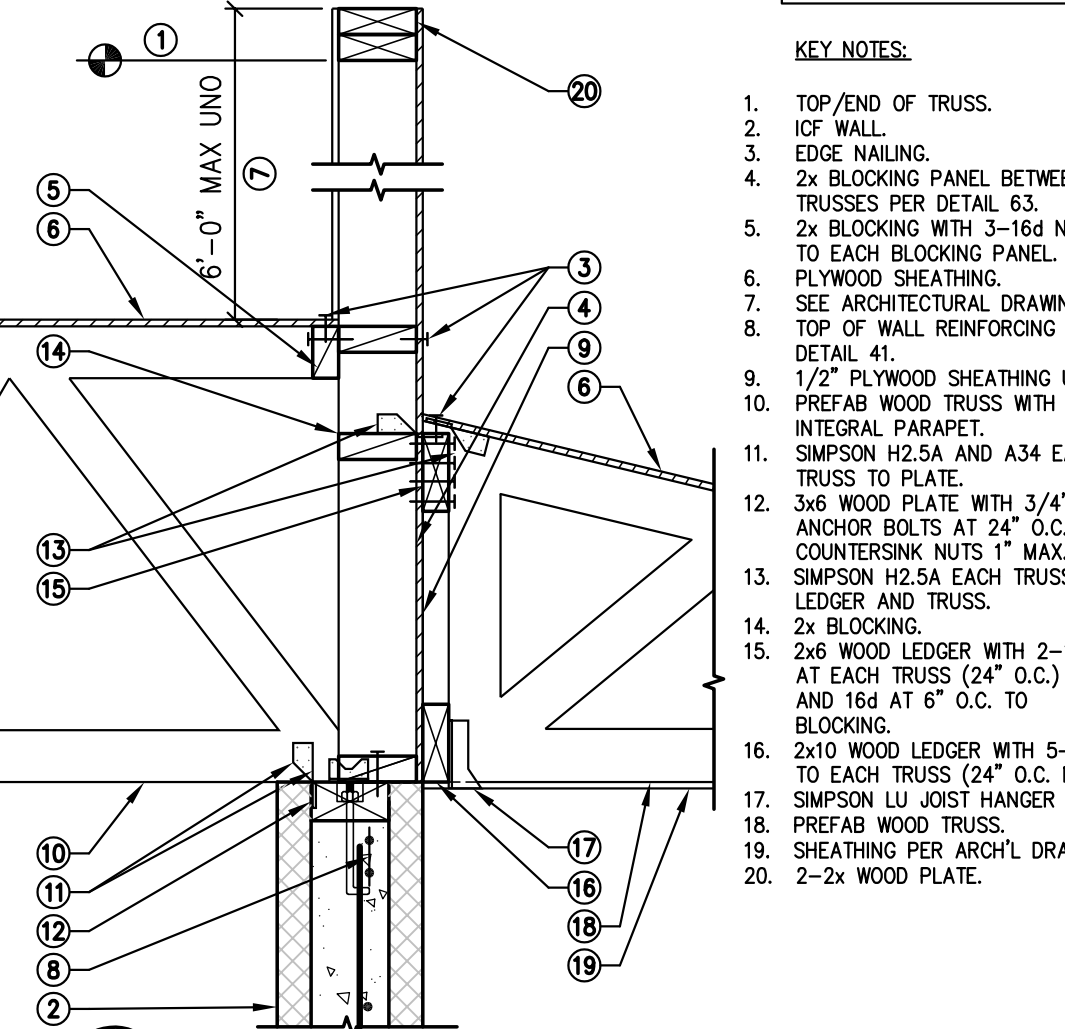
250 PREFAB WOOD TRUSS AT EXTERIOR MASONRY WALL
461-03.2M NOT TO SCALE



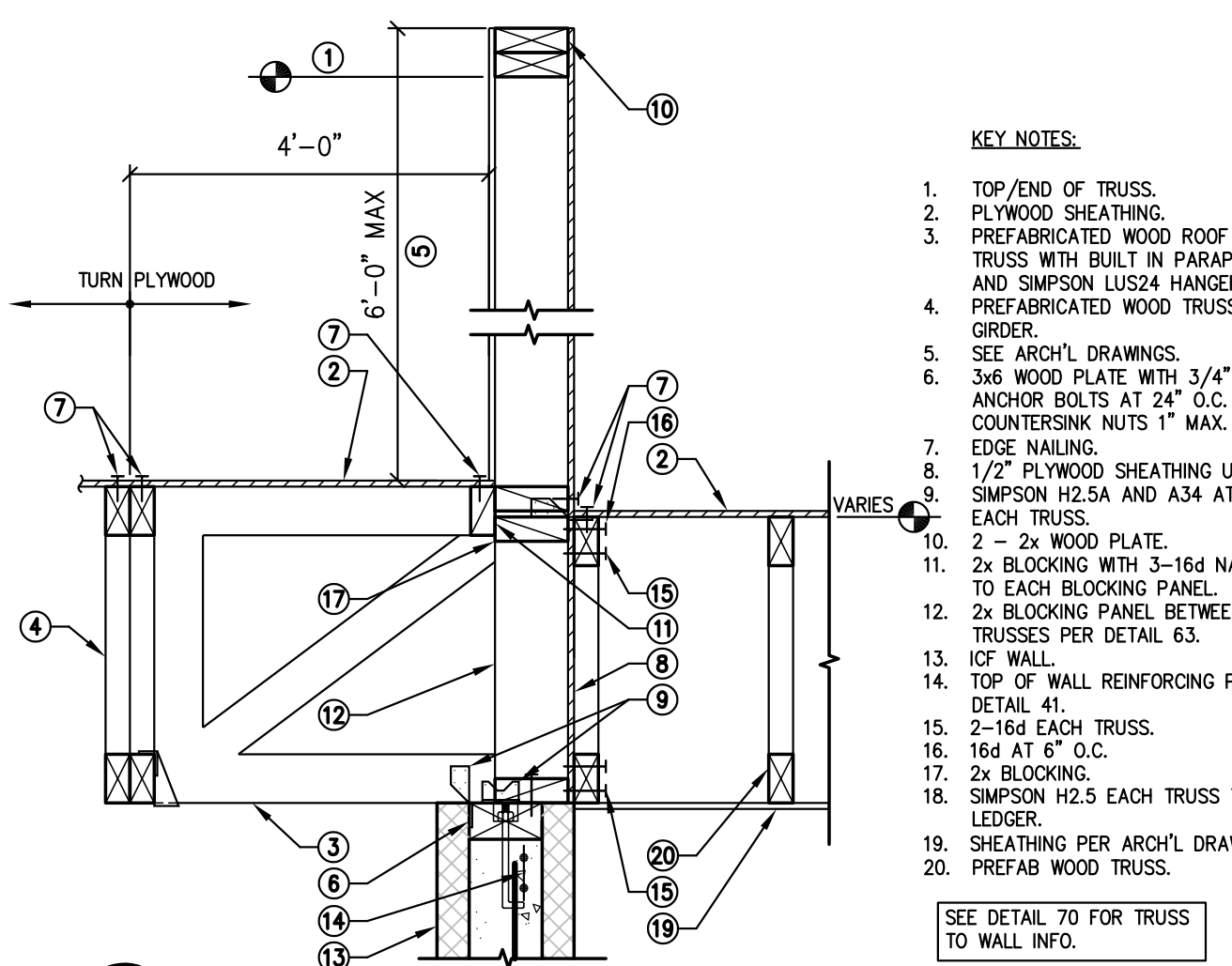
251 WOOD BEAM AT MASONRY WALL
713-01.1M NOT TO SCALE



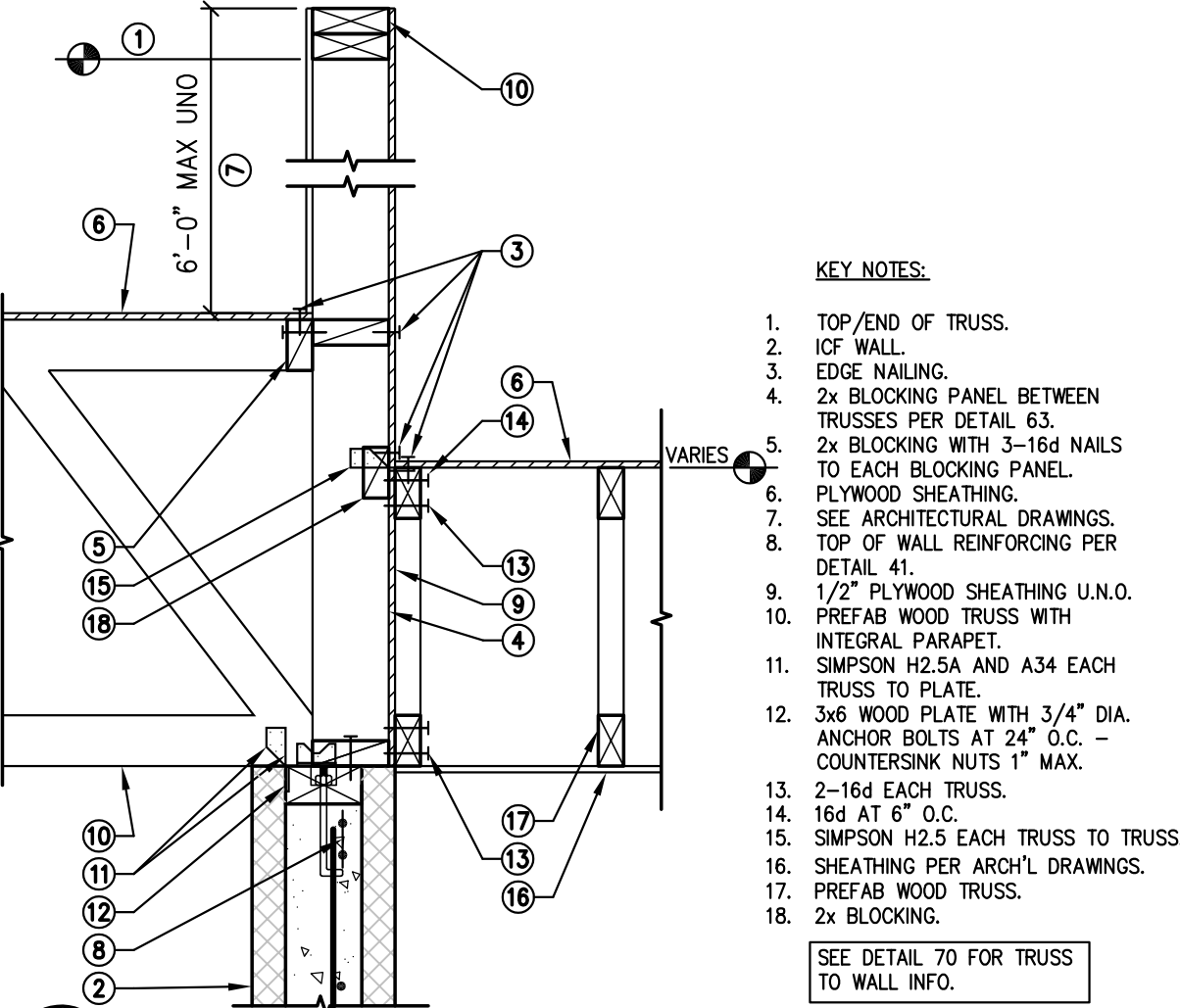
252 PLYWOOD SHEATHING AT STEP AND PREFAB WOOD TRUSS AT WOOD BEAM
19-029 NOT TO SCALE



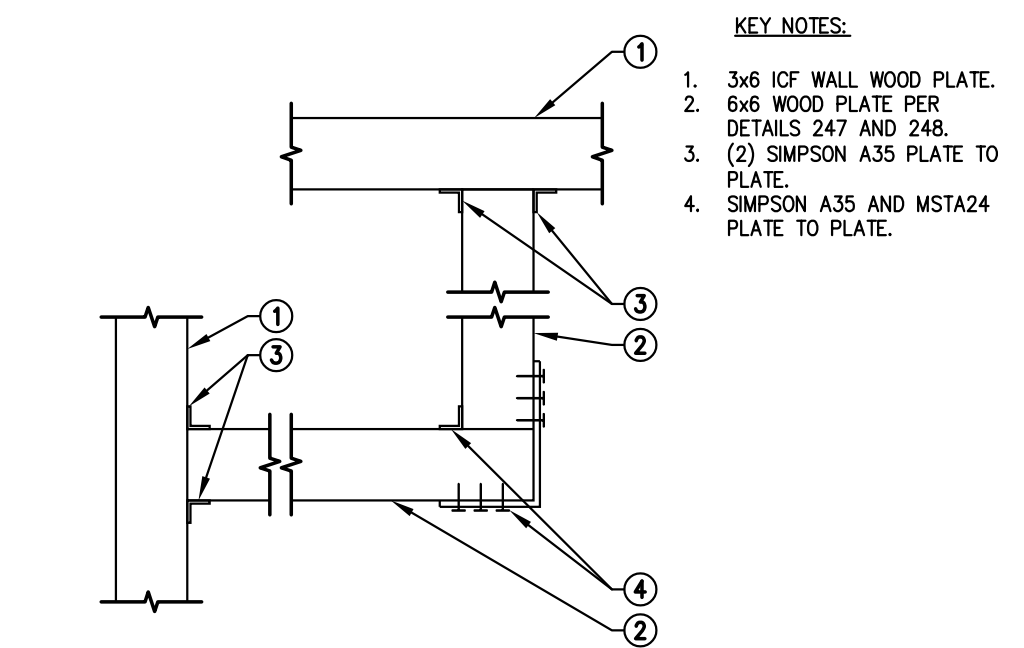
253 PREFABRICATED WOOD TRUSSES AT EXTERIOR ICF WALL
17-185 NOT TO SCALE



254 PREFAB WOOD TRUSS AND PLYWOOD SHEATHING AT EXTERIOR ICF WALL
461-03.2M NOT TO SCALE



255 PREFABRICATED WOOD TRUSS AND PLYWOOD AT EXTERIOR ICF WALL
17-185 NOT TO SCALE



256 PLAN VIEW - WOOD PLATE TO PLATE AT ENTRY TOWER
19-029 NOT TO SCALE

Rev	Date	By	Description

City of Buckeye
Fire Station No. 705
30551 W. Tarteso Pkwy.
Buckeye, AZ 85396

CITY APPROVED

Drawn/Checked By

KAF/DGS

Date

07-17-19

Project Number

318009

Sheet Number

FRAMING DETAILS
241-260

S4.3